



Application Type  
Facility Type  
Permit Type

Renewal  
Pesticides  
Individual

**NPDES PERMIT FACT SHEET  
PESTICIDES**

Application No. PA0270784  
APS ID 842101  
Authorization ID 1510917

**Applicant and Facility Information**

Applicant Name	<u>PA Fish &amp; Boat Commission</u>	Facility Name	<u>PFBC Statewide Algicide, Herbicide Or Fish Control Treatment Area</u>
Applicant Address	<u>1735 Shiloh Road</u> <u>State College, PA 16801-8400</u>	Facility Address	<u>1735 Shiloh Road</u> <u>State College, PA 16801-8400</u>
Applicant Contact	<u>Brian Niewinski</u>	Facility Contact	<u>Brian Niewinski</u>
Applicant Phone	<u>(814) 355-4837</u>	Facility Phone	<u>(814) 353-2224</u>
Client ID	<u>87637</u>	Site ID	<u>759060</u>
SIC Code	<u>0782,0921</u> <u>Agriculture - Fish Hatcheries And Preserves, Agriculture - Lawn And Garden Services</u>	Municipality	<u>Statewide</u>
Date Application Received	<u>December 27, 2024</u>	County	<u>Statewide</u>
Date Application Accepted	<u>December 30, 2024</u>	WQM Required	<u>No</u>
Purpose of Application	<u>This NPDES permit will incorporate the terms of a 91.38 Joint Permit.</u>		

**Internal Review and Recommendations**

The Pennsylvania Fish & Boat Commission (PFBC) submitted an application on December 27, 2024 for the renewal of an individual NPDES Permit for Discharges from the Application of Pesticides and coverage under a 91.38 Joint Permit for the application of pesticides directly to surface waters. The use of pesticides at fish production ponds (including all State Fish Hatcheries) is managed by the Fish Production Services Program Chief's office located at 1735 Shiloh Road, State College, PA. Pesticides application within Rights of Way to keep access areas clutter free and safe for recreational access is managed by the Construction and Maintenance Division Chief's office located at 450 Robinson Lane, Bellefonte, PA. the previous permit renewal incorporated the conditions of the 91.38 Joint Permit into the NPDES permit Part C language.

This permit authorizes the PFBC to use pesticides to control a variety of weeds and algae in fish hatcheries and state-owned lakes. The goal for controlling vegetation in production ponds is to maximize the number of fish that can be harvested and used for stocking recreational fishing waters. Pesticides are also used to aid in clearing and maintaining access areas to lakes for recreational and maintenance use. Pesticides targeting specific plant species are used to prevent excessive vegetation from blocking public access to waters and to maintain aesthetics for recreational boaters and fishers. A Pesticides Discharge Management Plan (PDMP) was submitted with the application and includes the required elements listed in the application instructions for the Individual Pesticides permit.

A query for any open violations was completed using the Open Violations by Client report and returned no results.

**Public Participation**

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-

Approve	Deny	Signatures	Date
X		<u>Zachary Steckler</u> Zachary Steckler, EIT / Project Manager	April 16, 2025
X		<u>Sean M. Furjanic</u> Sean M Furjanic, PE / Environmental Program Manager	April 16, 2025

### **Internal Review and Recommendations**

day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

#### Proposed Treatment Areas, Waterbodies, and Pesticides

The application is proposing the use of 15 different pesticides as needed over 175 total treatment sites throughout the Commonwealth (13 fish hatcheries and 162 recreation and maintenance access areas). See Attachments A and B for a full list of treatment site locations, areas, frequencies, receiving waters, and Chapter 93 classifications. The treatment sites numbered 1 through 13 are all state fish hatcheries, and numbers 14 through 175 are access areas. Attachment C shows the proposed pesticide chemicals as provided with the application package. The maximum dosage listed in the table in Attachment C combined with the treatment frequency in Attachment A represents the maximum total annual application rate. The 13 state fish hatcheries in the permit application are the only treatment areas at which they are proposing to apply pesticides directly to water, and the average depth for these treatment areas is four feet. For all pesticides approved for use under this permit, all specifications for maximum application rate per treatment or time between treatments that are listed on the product label must be followed.

PNDI searches were completed for each proposed treatment area, with 25 sites returning Conservation and Avoidance Measures for consideration or Potential Impacts with further review needed. At this time, agency review responses have not been received. All PNDI responses must be received before the permit will be issued.

Pesticides, maximum application doses, and treatment areas identified in the permit application are authorized after issuance of permit. The permittee must submit to DEP a request for approval for any change in the pesticide use pattern for an authorized treatment area, a change in the pesticide (active ingredient) that will be used for a treatment area, or an increase in the planned maximum dosage of pesticide that will be used in a treatment area. This request for approval may be submitted in lieu of a formal permit amendment. The permittee shall submit requests at least 30 days in advance of anticipated changes, and requests should include all applicable information regarding the pesticide application, treatment area and frequency, surface waters affected, and all other items as listed in Part C.VI.A. of the NPDES Individual Pesticide permit, Authorized Pesticides and Application Rates. After a request for approval is submitted, permittees may implement the proposed changes after approval from DEP or after a period of 30 days.

#### Anti-Degradation

The water bodies listed in Table 1 below are classified as HQ/EV, and the information required for the Antidegradation Module (3800-PM-BCW0025d) was submitted with the application.

**Table 1 – Antidegradation**

Treatment Area (No.)	Water Body Name	HQ or EV	Pesticide Name(s)	Active Ingredient(s)	Target Organisms
2	WB Lackawaxen River	HQ	Reward Diquat	Diquat dibromide [6,7-dihydrodipyrido (1',2-a:2',1'-c) pyrazinediium dibromide]	Pondweeds, Milfoil, Najas, Elodea, Coontail, Brittle Naiad, Hydrilla
5	Spring Creek	HQ	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
6	Spring Creek	HQ	Reward Diquat	Diquat dibromide [6,7-dihydrodipyrido (1',2-a:2',1'-c) pyrazinediium dibromide]	Pondweeds, Milfoil, Najas, Elodea, Coontail, Brittle Naiad, Hydrilla
7	Fishing Creek	HQ	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose

## Internal Review and Recommendations

Internal Review and Recommendations					
10	Yellow Breeches Creek	HQ	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
12	Oswayo Creek	HQ	Reward Diquat	Diquat dibromide [6,7-dihydrodiprido (1',2-a:2',1'-c) pyrazinediium dibromide]	Pondweeds, Milfoil, Najas, Elodea, Coontail, Brittle Naiad, Hydrilla
13	Logan Branch	HQ	Cutrine Ultra	COPPER AS ELEMENTAL	Algae, Filamentous Algae
22	Dutch Fork Lake	HQ	Roundup Custom	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Annual and Perennial Weeds and Woody Brush and Trees
25	Hankins Pond	HQ	Turflon II Amine Aquasweep	2,4-Dichlorophenoxyacetic Acid, Dimethylamine salt	Annual and Perennial Broadleaf Weeds
26	Hemlock Lake	HQ	Snapshot 2.5 TG	trifluralin: a,a,a-trifluoro-2,6-dinitro-/V, A-/dipropyl-p-toluidine	Broadleaf Weeds and Annual Grasses
30	Hunters Lake	EV	Turflon II Amine Aquasweep	2,4-Dichlorophenoxyacetic Acid, Dimethylamine salt	Annual and Perennial Broadleaf Weeds
33	Kyle Lake	HQ	Roundup Custom	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Annual and Perennial Weeds and Woody Brush
36	Lower Woods Pond	HQ	Turflon II Amine Aquasweep	2,4-Dichlorophenoxyacetic Acid, Dimethylamine salt	Annual and Perennial Broadleaf Weeds
42	Rose Valley Lake	EV	Polaris	Isopropylamine salt of Imazapyr: (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyrrolinecarboxylic acid)	Bedstraw, Bishopweed, Buttercup, Carolina geranium, Fescue, Foxtail, Little barley
45	Struble Lake	HQ	Turflon II Amine Aquasweep	2,4-Dichlorophenoxyacetic Acid, Dimethylamine salt	Annual and Perennial Broadleaf Weeds
48	Upper Woods Pond	HQ	Snapshot 2.5 TG	trifluralin: a,a,a-trifluoro-2,6-dinitro-/V, A-/dipropyl-p-toluidine	Broadleaf Weeds and Annual Grasses
50	White Oak Pond	HQ	Turflon II Amine Aquasweep	2,4-Dichlorophenoxyacetic Acid, Dimethylamine salt	Annual and Perennial Broadleaf Weeds
53	Children's Lake	HQ	Snapshot 2.5 TG	trifluralin: a,a,a-trifluoro-2,6-dinitro-/V, A-/dipropyl-p-toluidine	Broadleaf Weeds and Annual Grasses
64	Harveys Lake	HQ	Roundup Custom	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Annual and Perennial Weeds and Woody Brush and Trees
65	Lake Wallenpaupack	HQ	Turflon II Amine Aquasweep	2,4-Dichlorophenoxyacetic Acid, Dimethylamine salt	Annual and Perennial Broadleaf Weeds
70	Long Pine Run Reservoir Access	HQ	Snapshot 2.5 TG	trifluralin: a,a,a-trifluoro-2,6-dinitro-/V, A-/dipropyl-p-toluidine	Broadleaf Weeds and Annual Grasses
74	Opossum Lake Access	HQ	Roundup Custom	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Annual and Perennial Weeds and Woody Brush and Trees

## Internal Review and Recommendations

94	Yellow Breeches Creek	HQ	Roundup Custom	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Annual and Perennial Weeds and Woody Brush
95	Canonsburg Lake	HQ-WWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
104	Virgin Run Lake	HQ-TSF	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
105	Spring Creek	HQ-CWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
110	Kettle Creek Lake	HQ-TSF	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
112	Spring Creek	HQ-CWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
119	Beaverdam Run Reservoir	HQ-CWF	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
123	Pikes Creek Reservoir	HQ-CWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
126	Cranberry Glade Lake	HQ-CWF	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
134	Lake Gordon	HQ-CWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
135	Gouldsboro Lake	EV	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
138	Hollister Reservoir	HQ-CWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
142	Lake Koon	HQ-CWF	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
144	Lake Oneida	HQ-WWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
145	Lake Oneida	HQ-WWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
146	Lake Oneida	HQ-WWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
150	Laurel Creek Reservoir	HQ-CWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
151	Laurel Hill Creek Reservoir	HQ-CWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
155	Maple Lake	HQ-CWF	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
156	Meadow Grounds Lake	HQ-CWF	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
163	Nesbitt Reservoir	HQ-CWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
164	Stillwater Lake	HQ-CWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
166	Thorn Run Reservoir	HQ-WWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites

Internal Review and Recommendations					
167	Thorn Run Reservoir	HQ-WWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites
170	Watres Reservoir	HQ-CWF	Rodeo	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Spatterdock, Waterprimrose
172	Wisecarver Reservoir	HQ-WWF	Aquaneat	glyphosate N-(phosphonomethyl) glycine, isopropylamine salt	Narrowleaf Cattail, Phragmites

#### Pesticides Discharge Management Plan (PDMP)

A PDMP with all required elements was submitted with the application. The PDMP identifies the need for pesticide treatment at fish hatcheries to control algae and aquatic vegetation to help maintain the necessary oxygen levels in the hatchery waters. Excessive weeds and algae also lead to fish entanglement and difficulty removing fish from the water when it is time to release them. Pesticides are used at PFBC-owned access areas to Waters of the Commonwealth to keep them free of excessive vegetation and allow safe and easy access to waters for fishing and recreation.

Alternative pest management options were considered, including a no discharge alternative, prevention, mechanical methods, and cultural and biological methods. Ultimately, the PFBC does not feel that a no discharge scenario is possible due to the fish loss that would occur. The PFBC deemed prevention, mechanical removal, and biological options to be much more labor intensive and less cost effective.

It is recommended that the permit be issued, provided all PNDI agency responses are received by DEP prior to issuing the permit, and all management and avoidance measures reported can be met.

Attachment A – Treatment Area Table

Treatment Area (No.)	Treatment Area Name	County	Pesticide Use Pattern	Area or Length of Treatment	Treatment Frequency	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
1	Linesville Hatchery, Linesville, PA	Crawford	3	60 acres	up to 10 times/year	41.64583	-80.42748
2	Pleasant Mount Hatchery, Pleasant Mount, PA	Wayne	3	20 acres	up to 10 times/year	41.73972	-75.44806
3	Tionesta Hatchery, Tionesta, PA	Forest	3	25 acres	up to 10 times/year	41.50756	-79.44988
4	Union City Hatchery, Union City, PA	Erie	3	30 acres	up to 10 times/year	41.9075	-79.81782
5	Bellefonte & Upper Spring Creek Hatchery, Bellefonte, PA	Centre	3	50 acres	up to 10 times/year	40.88273	-77.79402
6	Benner Spring Hatchery, State College, PA	Centre	3	20 acres	up to 10 times/year	40.85762	-77.81694
7	Tylersville Hatchery, Tylersville, PA	Clinton	3	10 acres	up to 10 times/year	40.98244	-77.47062
8	Corry Hatchery, Corry, PA	Erie	3	5 acres	up to 10 times/year	41.93019	-79.67036
9	Fairview Hatchery, Fairview, PA	Erie	3	10 acres	up to 10 times/year	42.04262	-80.2763
10	Huntsdale Hatchery, Carlisle, PA	Cumberland	3	40 acres	up to 10 times/year	40.10306	-77.30833
11	Reynoldsdale Hatchery New Paris, PA	Bedford	3	12 acres	up to 10 times/year	40.1575	-78.58
12	Oswayo Hatchery, Oswayo, PA	Potter	3	10 acres	up to 10 times/year	41.92444	-78.00806
13	Pleasant Gap Hatchery Pleasant Gap, PA	Centre	3	10 acres	up to 10 times/year	40.86878	-77.7575
14	Amity Hall	Perry	3	50 feet	2 times/year	40.43111	-77.01278
15	Apple Tree Road	Luzerne	3	50 feet	2 times/year	41.38778	-75.82355
16	Bald Eagle	Clinton	3	400 feet	2 times/year	41.11194	-77.50194

## NPDES Permit Fact Sheet

## PFBC Statewide Algicide, Herbicide or Fish Control Treatment Area

## NPDES Permit No. PA0270784

17	Beechwood Lake	Tioga	3	50 feet	2 times/year	41.85276	-77.5097
18	Briar Creek Lake	Columbia	3	50 feet	2 times/year	41.06739	-76.28198
19	Cloe Lake	Jefferson	3	50 feet	2 times/year	40.94977	-78.90559
20	Colyer Lake	Centre	3	100 feet	2 times/year	40.77809	-77.68373
21	Donegal Lake	Westmoreland	3	100 feet	2 times/year	40.13497	-79.37073
22	Dutch Fork Lake	Washington	3	100 feet	2 times/year	40.1426	-80.46926
23	Glade Run Lake	Butler	3	50 feet	2 times/year	40.71543	-79.90036
24	Greenwood	Perry	3	50 feet	2 times/year	40.53056	-77.14194
25	Hankins Pond	Wayne	3	50 feet	2 times/year	41.71967	-75.39434
26	Hemlock Lake	Indiana	3	100 feet	2 times/year	40.86364	-78.88322
27	Hereford Manor Lake	Beaver	3	50 feet	2 times/year	40.81201	-80.16236
28	High Point Lake	Somerset	3	100 feet	2 times/year	39.77926	-79.21821
29	Hoovers Island	Snyder	3	50 feet	2 times/year	40.75028	-76.85806
30	Hunters Lake	Sullivan	3	50 feet	2 times/year	41.38399	-76.62307
31	Kaercher Lake	Berks	3	150 feet	2 times/year	40.56043	-75.96313
32	Kahle Lake	Clarion	3	100 feet	2 times/year	41.23201	-79.64707
33	Kyle Lake	Jefferson	3	50 feet	2 times/year	41.15902	-78.84161
34	Leaser Lake	Lehigh	3	150 feet	2 times/year	40.67099	-75.8334

## NPDES Permit Fact Sheet

## PFBC Statewide Algicide, Herbicide or Fish Control Treatment Area

## NPDES Permit No. PA0270784

35	Lily Lake	Luzerne	3	50 feet	2 times/year	41.13832	-76.08359
36	Lower Woods Pond	Wayne	3	50 feet	2 times/year	41.73649	-75.27027
37	Mauch Chunk Lake	Carbon	3	100 feet	2 times/year	40.83557	-75.81777
38	Minsi Lake	Northampton	3	100 feet	2 times/year	40.91385	-75.17824
39	Montgomery Ferry	Perry	3	50 feet	2 times/year	40.50333	-76.97556
40	Lake Nessmuk	Tioga	3	50 feet	2 times/year	41.72711	-77.28879
41	Newton Hamilton	Mifflin	3	50 feet	2 times/year	40.3925	-77.83417
42	Rose Valley Lake	Lycoming	3	150 feet	2 times/year	41.39421	-76.99842
43	Lake Somerset	Somerset	3	100 feet	2 times/year	40.03143	-79.06191
44	Stevens Lake	Wyoming	3	50 feet	2 times/year	41.59917	-75.94278
45	Struble Lake	Chester	3	50 feet	2 times/year	40.11481	-75.85934
46	Tamarack Lake	Crawford	3	350 feet	2 times/year	41.59709	-80.09428
47	Union City Res.	Erie	3	50 feet	2 times/year	41.91306	-79.81444
48	Upper Woods Pond	Wayne	3	50 feet	2 times/year	41.7602	-75.27617
49	Walker Lake	Snyder	3	50 feet	2 times/year	40.80432	-77.18059
50	White Oak Pond	Wayne	3	50 feet	2 times/year	41.64454	-75.37664
51	Whites Ferry	Wyoming	3	50 feet	2 times/year	41.477628	-75.905522
52	Auburn Access	Schuylkill	3	50 feet	2 times/year	40.6021	-76.0883

## NPDES Permit Fact Sheet

## PFBC Statewide Algicide, Herbicide or Fish Control Treatment Area

## NPDES Permit No. PA0270784

53	Children's (Boiling Springs) Lake	Cumberland	3	50 feet	2 times/year	40.14722	-77.12528
54	Conewago Creek Access	York	3	50 feet	2 times/year	40.11208	-76.70942
55	East Bangor Lake	Northampton	3	50 feet	2 times/year	40.884243	-75.185868
56	Epler Access	Berks	3	50 feet	2 times/year	40.39654	-75.9736
57	Falmouth Access	Lancaster	3	50 feet	2 times/year	40.11917	-76.70972
58	Five Locks Access	Berks	3	50 feet	2 times/year	40.5225	-75.99778
59	Fort Hunter Access	Dauphin	3	50 feet	2 times/year	40.34354	-76.91119
60	Goldsboro Access	York	3	50 feet	2 times/year	40.16111	-76.74889
61	Good Hope Access	Cumberland	3	50 feet	2 times/year	40.25889	-76.97639
62	Halifax Access	Dauphin	3	50 feet	2 times/year	40.49777	-76.94654
63	Harris Pond	Luzerne	3	50 feet	2 times/year	41.29294	-76.13214
64	Harveys Lake	Luzerne	3	50 feet	2 times/year	41.36429	-76.05765
65	Lake Wallenpaupack	Wayne	3	350 feet	2 times/year	41.45972	-75.19
66	Letterkenny Reservoir Access	Franklin	3	50 feet	2 times/year	40.112008	-77.696042
67	Levittown Lake Access	Bucks	3	50 feet	2 times/year	40.1471	-74.81868
68	Lily Lake	Luzerne	3	50 feet	2 times/year	41.13832	-76.08359
69	Long Arm Dam Access (Sheppard Reservoir)	York	3	50 feet	2 times/year	39.751214	-76.990709
70	Long Pine Run Reservoir Access	Adams	3	50 feet	2 times/year	39.93722	-77.44583

## NPDES Permit Fact Sheet

## PFBC Statewide Algicide, Herbicide or Fish Control Treatment Area

## NPDES Permit No. PA0270784

71	Middletown Reservoir Access	Dauphin	3	50 feet	2 times/year	40.18611	-76.73306
72	Muddy Creek Access	York	3	50 feet	2 times/year	40.96326	-80.12881
73	Narrowsburg Access	Wayne	3	50 feet	2 times/year	41.61056	-75.06694
74	Opossum Lake Access	Cumberland	3	50 feet	2 times/year	40.22922	-77.27767
75	Oxbow Lake	Wyoming	3	50 feet	2 times/year	41.60972	-75.89417
76	Phoenixville Access	Chester	3	50 feet	2 times/year	40.15866	-75.51092
77	Riegelsville Access	Bucks	3	50 feet	2 times/year	40.581805	-75.196082
78	Route 33 Access	Northampton	3	50 feet	2 times/year	40.642948	-75.284232
79	Sandts Eddy Access	Northampton	3	50 feet	2 times/year	40.75889	-75.18722
80	Sayre Access	Bradford	3	50 feet	2 times/year	41.99583	-76.47333
81	Sheidy Road Access	Berks	3	50 feet	2 times/year	40.41186	-76.08792
82	Slackwater-Rockhill Access	Lancaster	3	50 feet	2 times/year	39.98333	-76.35722
83	South Pottstown Access	Chester	3	50 feet	2 times/year	40.24111	-75.65
84	Speedwell Forge Lake Access	Lancaster	3	50 feet	2 times/year	40.2114	-76.31917
85	Terrytown Access	Bradford	3	50 feet	2 times/year	41.69444	-76.28194
86	Tunkhannock Access	Wyoming	3	50 feet	2 times/year	40.461349	-79.368321
87	Upper Black Eddy Access	Bucks	3	50 feet	2 times/year	40.565323	-75.09874
88	Waterworks Access	Lebanon	3	50 feet	2 times/year	40.37361	-76.53611

## NPDES Permit Fact Sheet

## PFBC Statewide Algicide, Herbicide or Fish Control Treatment Area

## NPDES Permit No. PA0270784

89	Waynesboro Reservoir Access	Adams	3	50 feet	2 times/year	39.81806	-77.45528
90	Winola Lake	Wyoming	3	50 feet	2 times/year	41.51006	-75.84285
91	Wrightsville Access	York	3	50 feet	2 times/year	40.02394	-76.52464
92	Wysox Access	Bradford	3	50 feet	2 times/year	41.753801	-76.41069
93	Yardley Access	Bucks	3	50 feet	2 times/year	40.25278	-74.84556
94	Yellow Breeches Easement	Cumberland	3	50 feet	2 times/year	40.184627	-76.912136
95	Canonsburg Lake Access	Washington	3	50 feet	2 times/year	40.27038	-80.13151
96	Deer Creek Access	Allegheny	3	50 feet	2 times/year	40.53397	-79.84224
97	Duman Lake Access	Cambria	3	50 feet	2 times/year	40.57082	-78.83733
98	Glassworks Access	Greene	3	50 feet	2 times/year	39.799631	-79.912325
99	Glenshaw Access	Allegheny	3	50 feet	2 times/year	40.529457	-79.955228
100	Kilbuck Access	Allegheny	3	50 feet	2 times/year	40.514167	-80.120278
101	Markelton Access	Somerset	3	50 feet	2 times/year	39.8599321	-79.22765618
102	Monongahela Access	Washington	3	50 feet	2 times/year	40.19389	-79.90167
103	Speers Landing Access	Washington	3	50 feet	2 times/year	40.12528	-79.87639
104	Virgin Run Lake Access	Fayette	3	50 feet	2 times/year	40.04081839	-79.72447414
105	110 Spring Creek Road Access	Centre	3	50 feet	2 times/year	40.889985	-77.794419
106	Montour Preserve Access	Montour	3	50 feet	2 times/year	41.10407906	-76.65454331

## NPDES Permit Fact Sheet

## PFBC Statewide Algicide, Herbicide or Fish Control Treatment Area

## NPDES Permit No. PA0270784

107	Danville Access	Montour	3	50 feet	2 times/year	40.94355276	-76.59812666
108	Frenchville (Deer Creek) Access	Clearfield	3	50 feet	2 times/year	41.07738664	-78.23495693
109	Granville Access	Mifflin	3	50 feet	2 times/year	40.55579406	-77.59689304
110	Kettle Creek Lake Access	Clinton	3	50 feet	2 times/year	41.37644871	-77.92872018
111	Liverpool Access	Perry	3	50 feet	2 times/year	40.58028	-76.97972
112	McCoys Dam Access	Centre	3	50 feet	2 times/year	40.93161	-77.785782
113	Mifflintown Boro Access	Juniata	3	50 feet	2 times/year	40.56604347	-77.40102458
114	Muncy Access	Lycoming	3	50 feet	2 times/year	41.20639	-76.80111
115	Muskrat Springs Access	Juniata	3	50 feet	2 times/year	40.53512015	-77.30014394
116	Point Access	Huntingdon	3	50 feet	2 times/year	40.45563863	-77.97707482
117	Thompsonstown Access	Juniata	3	50 feet	2 times/year	40.55451021	-77.23657153
118	Walker Access	Juniata	3	50 feet	2 times/year	40.53212496	-77.35696005
119	Beaverdam Run Reservoir Access	Cambria	3	50 feet	2 times/year	40.30778481	-78.64891841
120	State Hill Access	Berks	3	50 feet	2 times/year	40.36902686	-76.04386599
121	Dry Brooks Access	Berks	3	50 feet	2 times/year	40.38488226	-76.03252871
122	Sheidy Road Access	Berks	3	50 feet	2 times/year	40.41240775	-76.08679906
123	Pikes Creek Reservoir Access	Luzerne	3	50 feet	2 times/year	41.26540465	-76.05155671
124	Colver Reservoir Access	Cambria	3	50 feet	2 times/year	40.57192	-78.7801

## NPDES Permit Fact Sheet

## PFBC Statewide Algicide, Herbicide or Fish Control Treatment Area

## NPDES Permit No. PA0270784

125	Comfort Lake Access	Susquehanna	3	50 feet	2 times/year	41.91986142	-75.54434939
126	Cranberry Glade Lake Access	Somerset	3	50 feet	2 times/year	39.90718	-79.37008
127	Robb's Fording Access	Armstrong	3	50 feet	2 times/year	40.69776257	-79.50373258
128	Crooked Creek Lake Access	Armstrong	3	50 feet	2 times/year	40.70469755	-79.51869102
129	Crooked Creek Lake Outflow	Armstrong	3	50 feet	2 times/year	40.71755856	-79.51099614
130	Curtis Reservoir Access	Lackawanna	3	50 feet	2 times/year	41.37348222	-75.51218254
131	Dunmore Reservoir #1 Access	Lackawanna	3	50 feet	2 times/year	41.41533485	-75.5960834
132	Ebensburg Reservoir Access	Cambria	3	100 feet	2 times/year	40.48896005	-78.71540365
133	Elmhurst Reservoir Access	Lackawanna	3	50 feet	2 times/year	41.37252813	-75.5283817
134	Lake Gordon Access	Bedford	3	50 feet	2 times/year	39.75336	-78.67918
135	Gouldsboro Lake Access	Monroe	3	50 feet	2 times/year	41.22571885	-75.45786969
136	Griffin Reservoir Access	Lackawanna	3	50 feet	2 times/year	41.49601653	-75.66382703
137	Hinkston Run Reservoir Access	Cambria	3	50 feet	2 times/year	40.379942	-78.884029
138	Hollister Reservoir Access	Lackawanna	3	50 feet	2 times/year	41.309812	-75.492944
139	Howard Eaton Reservoir Access	Erie	3	50 feet	2 times/year	42.15482789	-79.78428548
140	Numine Access	Armstrong	3	50 feet	2 times/year	40.75498303	-79.2763645
141	Atwood Access	Armstrong	3	50 feet	2 times/year	40.75772419	-79.28348087
142	Lake Koon Access	Bedford	3	50 feet	2 times/year	39.77467	-78.65764

## NPDES Permit Fact Sheet

## PFBC Statewide Algicide, Herbicide or Fish Control Treatment Area

## NPDES Permit No. PA0270784

143	Lake Lebouef Access	Erie	3	50 feet	2 times/year	41.93667	-79.98722
144	Lake Road Access	Butler	3	50 feet	2 times/year	40.92242	-79.86709
145	Route 38 North Access	Butler	3	50 feet	2 times/year	40.93191327	-79.8522667
146	Hohn Road Access	Butler	3	50 feet	2 times/year	40.93602112	-79.84567774
147	Lake Redman Access	York	3	50 feet	2 times/year	39.88827	-76.70013
148	Lake Rowena Access	Cambria	3	50 feet	2 times/year	40.48177029	-78.71530488
149	Lake Williams Access	York	3	50 feet	2 times/year	39.89003177	-76.72084597
150	Laurel Creek Reservoir Access	Mifflin	3	50 feet	2 times/year	40.732343	-77.632317
151	Laurel Hill Creek Reservoir Access	Somerset	3	100 feet	2 times/year	40.00562462	-79.23241859
152	Laurel Run Reservoir Access	Elk	3	50 feet	2 times/year	41.41629531	-78.60640926
153	Sportsmans Access	Armstrong	3	50 feet	2 times/year	40.92896973	-79.25034733
154	Milton Loop Access	Armstrong	3	50 feet	2 times/year	40.90415	-79.22601
155	Maple Lake Access	Lackawanna	3	50 feet	2 times/year	41.330159	-75.57912349
156	Meadow Grounds Lake Access	Fulton	3	50 feet	2 times/year	39.91169	-78.05283
157	Mill Run Reservoir Access	Fayette	3	50 feet	2 times/year	39.97619	-79.45785
158	Green Bridge Access	Somerset	3	50 feet	2 times/year	40.15255	-78.97579
159	Birdman Road Access	Somerset	3	50 feet	2 times/year	40.15965	-78.9675
160	Queamahoning Reservoir Access	Somerset	3	50 feet	2 times/year	40.16275	-78.97675

## NPDES Permit Fact Sheet

## PFBC Statewide Algicide, Herbicide or Fish Control Treatment Area

## NPDES Permit No. PA0270784

161	Queamahoning Recreation Area Access	Somerset	3	50 feet	2 times/year	40.16718	-78.95894
162	Lemon Road Access	Somerset	3	50 feet	2 times/year	40.18002	-78.95976
163	Nesbitt Reservoir Access	Lackawanna	3	50 feet	2 times/year	41.31819	-75.64856
164	Stillwater Lake Access	Monroe	3	50 feet	2 times/year	41.70395776	-75.48558565
165	Sweet Arrow Lake Access	Schuylkill	3	50 feet	2 times/year	40.57194	-76.37
166	Love Road Access	Butler	3	50 feet	2 times/year	40.9009	-79.86425
167	Thorn Run Road Access	Butler	3	50 feet	2 times/year	40.90264	-79.8636
168	Nebraska Access	Forest	3	50 feet	2 times/year	41.47101	-79.38282
169	Tionesta Dam Access	Forest	3	50 feet	2 times/year	41.47830877	-79.43455902
170	Watres Reservoir	Lackawanna	3	50 feet	2 times/year	41.278785	-75.608761
171	Wilmore Dam Access	Cambria	3	50 feet	2 times/year	40.41098	-78.6879
172	Wisecarver Reservoir Access	Greene	3	50 feet	2 times/year	39.90503087	-80.20820174
173	Jockey Hollow Access	Fayette	3	50 feet	2 times/year	39.74948267	-79.41463868
174	Tubs Run Access	Fayette	3	50 feet	2 times/year	39.76770367	-79.39809068
175	Outflow Access	Fayette	3	50 feet	2 times/year	39.80259584	-79.36896319



Attachment B – Surface Water Table

Treatment Area (No.)	Surface Water Name	Application Type	Ch 93 Class	Pesticide Impairment
1	Pymatuning Reservoir	Direct, Water's Edge	WWF	No
2	WB Lackawaxen River	Direct, Water's Edge	HQ-CWF	No
3	Allegheny River	Direct, Water's Edge	WWF	No
4	Bentley Run	Direct, Water's Edge	CWF	No
5	Spring Creek	Direct, Water's Edge	HQ-CWF	No
6	Spring Creek	Direct, Water's Edge	HQ-CWF	No
7	Fishing Creek	Direct, Water's Edge	HQ-CWF	No
8	UNT to SB French Creek	Direct, Water's Edge	CWF	No
9	UNT to Trout Run	Direct, Water's Edge	CWF	No
10	Yellow Breeches Creek	Direct, Water's Edge	HQ-CWF	No
11	Dunning Creek	Direct, Water's Edge	WWF	No
12	Oswayo Creek	Direct, Water's Edge	HQ-CWF	No
13	Logan Branch	Direct, Water's Edge	HQ-CWF	No
14	Juniata River	Water's Edge	WWF	No
15	Susquehanna River	Water's Edge	WWF	No
16	Bald Eagle Creek	Water's Edge	CWF	No
17	Beechwood Lake	Water's Edge	TSF	No
18	Briar Creek Lake	Water's Edge	CWF	No
19	Cloe Lake	Water's Edge	CWF	No
20	Colyer Lake	Water's Edge	CWF	No
21	Donegal Lake	Water's Edge	TSF	No
22	Dutch Fork Lake	Water's Edge	HQ-WWF	No
23	Glade Run Lake	Water's Edge	WWF	No
24	Juniata River	Water's Edge	WWF	No
25	Hankins Pond	Water's Edge	HQ-CWF	No
26	Hemlock Lake	Water's Edge	HQ-CWF	No
27	Hereford Manor Lake	Water's Edge	WWF	No
28	High Point Lake	Water's Edge	CWF	No
29	Susquehanna River	Water's Edge	WWF	No
30	Hunters Lake	Water's Edge	EV	No
31	Kaercher Lake	Water's Edge	WWF	No
32	Kahle Lake	Water's Edge	CWF	No
33	Kyle Lake	Water's Edge	HQ-CWF	No
34	Leisure Lake	Water's Edge	CWF	No
35	Lily Lake	Water's Edge	CWF	No
36	Lower Woods Pond	Water's Edge	HQ-CWF	No
37	Mauch Chunk Lake	Water's Edge	CWF	No
38	Minsi Lake	Water's Edge	CWF	No
39	Susquehanna River	Water's Edge	WWF	No
40	Nesmuck Lake	Water's Edge	CWF	No
41	Juniata River	Water's Edge	WWF	No
42	Rose Valley Lake	Water's Edge	EV	No
43	Somerset Lake	Water's Edge	WWF	No

44	Stevens Lake	Water's Edge	CWF	No
45	Struble Lake	Water's Edge	HQ-TSF	No
46	Tamarack Lake	Water's Edge	WWF	No
47	Union City Res.	Water's Edge	CWF	No
48	Upper Woods Pond	Water's Edge	HQ-CWF	No
49	Walker Lake	Water's Edge	TSF	No
50	White Oak Pond	Water's Edge	HQ-CWF	No
51	Susquehanna River	Water's Edge	WWF	No
52	Schuylkill River	Water's Edge	CWF	No
53	Children's Lake	Water's Edge	HQ-CWF	No
54	Susquehanna River	Water's Edge	WWF	No
55	East Bangor Lake	Water's Edge	CWF	No
56	Schuylkill River	Water's Edge	WWF	No
57	Conestoga River	Water's Edge	WWF	No
58	Schuylkill River	Water's Edge	WWF	No
59	Susquehanna River	Water's Edge	WWF	No
60	Susquehanna River	Water's Edge	WWF	No
61	Conodoguinet Creek	Water's Edge	WWF	No
62	Susquehanna River	Water's Edge	WWF	No
63	Harris Pond	Water's Edge	CWF	No
64	Harveys Lake	Water's Edge	HQ-CWF	No
65	Lake Wallenpaupack	Water's Edge	HQ-CWF	No
66	Letterkenny Reservoir	Water's Edge	WWF	No
67	Levittown Lake	Water's Edge	TSF	No
68	Lily Lake	Water's Edge	CWF	No
69	Sheppard Reservoir	Water's Edge	WWF	No
70	Long Pine Run Reservoir	Water's Edge	HQ-CWF	No
71	Middletown Reservoir	Water's Edge	WWF	No
72	Susquehanna River	Water's Edge	WWF	No
73	Delaware River	Water's Edge	WWF	No
74	Opossum Lake	Water's Edge	HQ-TSF	No
75	Oxbow Lake	Water's Edge	CWF	No
76	Schuylkill River	Water's Edge	WWF	No
77	Delaware River	Water's Edge	WWF	No
78	Lehigh River	Water's Edge	WWF	No
79	Delaware River	Water's Edge	WWF	No
80	Susquehanna River	Water's Edge	WWF	No
81	Schuylkill River	Water's Edge	WWF	No
82	Conestoga River	Water's Edge	WWF	No
83	Schuylkill River	Water's Edge	WWF	No
84	Speedwell Forge Lake	Water's Edge	WWF	No
85	Susquehanna River	Water's Edge	WWF	No
86	Susquehanna River	Water's Edge	WWF	No
87	Delaware River	Water's Edge	WWF	No
88	Swatara Creek	Water's Edge	WWF	No
89	Waynesboro Reservoir	Water's Edge	CWF	No

90	Winola Lake	Water's Edge	CWF	No
91	Susquehanna River	Water's Edge	WWF	No
92	Susquehanna River	Water's Edge	WWF	No
93	Delaware River	Water's Edge	WWF	No
94	Yellow Breeches Creek	Water's Edge	HQ-CWF	No
95	Canonsburg Lake	Water's Edge	HQ-WWF	No
96	Allegheny River	Water's Edge	WWF	No
97	Dunman Lake	Water's Edge	CWF	No
98	Monongahela River	Water's Edge	WWF	No
99	Pine Creek	Water's Edge	TSF	No
100	Ohio River	Water's Edge	WWF	No
101	Casselman River	Water's Edge	WWF	No
102	Monongahela River	Water's Edge	WWF	No
103	Monongahela River	Water's Edge	WWF	No
104	Virgin Run Lake	Water's Edge	HQ-TSF	No
105	Spring Creek	Water's Edge	HQ-CWF	No
106	Lake Chilisquaque	Water's Edge	WWF	No
107	Susquehanna River	Water's Edge	WWF	No
108	West Branch Susquehanna River	Water's Edge	WWF	No
109	Juniata River	Water's Edge	WWF	No
110	Kettle Creek Lake	Water's Edge	HQ-TSF	No
111	Susquehanna River	Water's Edge	WWF	No
112	Spring Creek	Water's Edge	HQ-CWF	No
113	Juniata River	Water's Edge	WWF	No
114	West Branch Susquehanna River	Water's Edge	WWF	No
115	Juniata River	Water's Edge	WWF	No
116	Juniata River	Water's Edge	WWF	No
117	Juniata River	Water's Edge	WWF	No
118	Juniata River	Water's Edge	WWF	No
119	Beaverdam Run Reservoir	Water's Edge	HQ-CWF	No
120	Blue Marsh Lake	Water's Edge	WWF	No
121	Blue Marsh Lake	Water's Edge	WWF	No
122	Blue Marsh Lake	Water's Edge	WWF	No
123	Pikes Creek Reservoir	Water's Edge	HQ-CWF	No
124	Colver Reservoir	Water's Edge	CWF	No
125	Comfort Lake	Water's Edge	CWF	No
126	Cranberry Glade Lake	Water's Edge	HQ-CWF	No
127	Crooked Creek Lake	Water's Edge	WWF	No
128	Crooked Creek Lake	Water's Edge	WWF	No
129	Crooked Creek	Water's Edge	WWF	No
130	Curtis Reservoir	Water's Edge	CWF	No
131	Dunmore Reservoir #1	Water's Edge	CWF	No
132	Ebensburg Reservoir	Water's Edge	WWF	No
133	Elmhurst Reservoir	Water's Edge	CWF	No
134	Lake Gordon	Water's Edge	HQ-CWF	No
135	Gouldsboro Lake	Water's Edge	EV	No

136	Griffin Reservoir	Water's Edge	CWF	No
137	Hinkston Run Reservoir	Water's Edge	WWF	No
138	Hollister Reservoir	Water's Edge	HQ-CWF	No
139	Howard Eaton Reservoir	Water's Edge	WWF	No
140	Keystone Lake	Water's Edge	CWF	No
141	Keystone Lake	Water's Edge	CWF	No
142	Lake Koon	Water's Edge	HQ-CWF	No
143	Lake Lebouef	Water's Edge	TSF	No
144	Lake Oneida	Water's Edge	HQ-WWF	No
145	Lake Oneida	Water's Edge	HQ-WWF	No
146	Lake Oneida	Water's Edge	HQ-WWF	No
147	Lake Redman	Water's Edge	WWF	No
148	Lake Rowena	Water's Edge	CWF	No
149	Lake Williams	Water's Edge	WWF	No
150	Laurel Creek Reservoir	Water's Edge	HQ-CWF	No
151	Laurel Hill Creek Reservoir	Water's Edge	HQ-CWF	No
152	Laurel Run Reservoir	Water's Edge	CWF	No
153	Mahoning Creek Lake	Water's Edge	WWF	No
154	Mahoning Creek Lake	Water's Edge	WWF	No
155	Maple Lake	Water's Edge	HQ-CWF	No
156	Meadow Grounds Lake	Water's Edge	HQ-CWF	No
157	Mill Run Reservoir	Water's Edge	CWF	No
158	Queamahoning Reservoir	Water's Edge	CWF	No
159	Queamahoning Reservoir	Water's Edge	CWF	No
160	Queamahoning Reservoir	Water's Edge	CWF	No
161	Queamahoning Reservoir	Water's Edge	CWF	No
162	Queamahoning Reservoir	Water's Edge	CWF	No
163	Nesbitt Reservoir	Water's Edge	HQ-CWF	No
164	Stillwater Lake	Water's Edge	HQ-CWF	No
165	Sweet Arrow Lake	Water's Edge	CWF	No
166	Thorn Run Reservoir	Water's Edge	HQ-WWF	No
167	Thorn Run Reservoir	Water's Edge	HQ-WWF	No
168	Tionesta Lake	Water's Edge	CWF	No
169	Tionesta Lake	Water's Edge	CWF	No
170	Watres Reservoir	Water's Edge	HQ-CWF	No
171	Wilmore Dam	Water's Edge	CWF	No
172	Wisecarver Reservoir	Water's Edge	HQ-WWF	No
173	Youghiogheny Reservoir	Water's Edge	WWF	No
174	Youghiogheny Reservoir	Water's Edge	WWF	No
175	Youghiogheny Reservoir	Water's Edge	WWF	No



Attachment C – Proposed Pesticides

Name	Manufacturer	Approved for Aquatic?	EPA Reg. #	Planned Max Dose	Units	No. Treatments/year	Target Pest(s)
Rodeo	Dow AgroSciences	Yes	62719-324	6.0	pints/acre	Several	Spatterdock, Waterprimrose
Reward Diquat	Syngenta	Yes	100-1091	2.0	gallons/acre	Several	Pondweeds, Milfoil, Najas, Elodea, Coontail, Brittle Naiad, Hydrilla
Cutrine Plus Granular	Applied Biochemists	Yes	8959-12	60.0	lbs./acre	Several	Algae, Filamentous Algae
Cutrine Ultra	Applied Biochemists	Yes	8959-53	3.0	gallons/acre-foot	Several	Algae, Filamentous Algae
Copper Sulfate	Applied Biochemists	Yes	56576-1-8959	2.7	lbs./acre-foot	Several	Filamentous Algae
Aquaneat	NuFarm	Yes	228-365	6.0	pints/acre	Several	Narrowleaf Cattail, Phragmites
Aquashade	Applied Biochemists	Yes	33068-1	2.0	ppm	Several	Leafy Pondweed, Chara, Sledber Naiad, Hydrilla
Cutrine Plus	Applied Biochemists	Yes	8959-10	18.0	gallons/surface acre	Several	Filamentous Algae, Bluegreen Algae
Snapshot 2.5 TG	Dow AgroSciences	No	62719-175	600.0	lbs./acre	Several	Broadleaf Weeds and Annual Grasses
Turflon II Amine Aquasweep	NuFarm	Yes	228-316	9.0	lbs./acre	Several	Annual and Perennial Broadleaf Weeds
Polaris	NuFarm	Yes	228-534	6.0	pints/acre	Several	Bedstraw, Bishopweed, Buttercup, Carolina geranium, Fescue, Foxtail, Little barley, Seedling Johnsongrass, Wild Carrot, White Clover, Yellow woodsorrel
Tribune	Syngenta	Yes	100-1390	2.0	gallons/surface acre	Several	Water Lettuce, Water Hyacinth, Duckweed, Salvenia, Pennywort, Frog's Bit, Cattails
SaniDate 5.0 (Green Clean)	Bio Safe Systems	Yes	70299-19	28.5	gallons/acre-foot	Several	Weeds and Algae
Roundup Custom	Monsanto Co.	Yes	524-343	8	quarts/acre	Several	Annual and Perennial Weeds and Woody Brush and Trees
Clipper Herbicide	Valent USA Corporation	Yes	59639-161	200	ppb	One	Water Lettuce, Water Hyacinth, Duckweed, Salvenia, Pennywort, Frog's Bit, Cattails