

# Applied Polymer Systems

519 Industrial Drive, Woodstock, GA 30189

[www.siltstop.com](http://www.siltstop.com)

## **APS 800 Series Pond Logs® Polyacrylamide Erosion Control Applicator Log**

**APS 800 Series Pond Logs** are a group of soil and water chemistry specific tailored gel-blocks that contain blends of water treatment components and polyacrylamide co-polymers for water clarification. They reduce and prevent suspension of fine particles and colloidal clays as well as reduce high nutrient loads, such as phosphorous that lead to algae blooms. Contact Applied Polymer Systems, Inc. or your local distributor for testing and site specific application information.

### **Primary Applications**

- Water bodies with heavy nutrients
- Drainage from newly cleared construction and building sites
- Ponds and lakes with high phosphorous loads and/or algae blooms
- Garden ponds & koi ponds
- Drainage areas where fertilizers have been used
- Recreational ponds and lakes, such as golf courses and parks

### **Features and Benefits**

- Removes solubilized soils and clay from water
- Reduces the occurrence of algae blooms and eutrophication when fertilizers are washed into a water body
- Can be used in passive systems that do not require monitoring, and are low maintenance which reduces operational and clean up costs
- Reduces environmental risk associated with pond chemicals and algacides and helps meet compliance standards
- Removes 75-85% of phosphorous which controls algal blooms, creates an eco-friendly habitat for aquatic life, and reduces the risk of toxic algae

### **Specifications / Compliances**

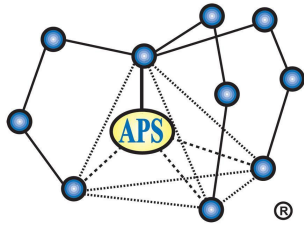
- ANSI/NSF Standard 60 Drinking Water Treatment Chemical Additives
- 48h or 96h Acute Toxicity Tests (*D. magna* or *O. mykiss*)
- 7 Day Chronic Toxicity Tests (*P. promelas* or *C. dubia*)

### **Packaging**

APS 800 Series Pond Logs are packaged in boxes of four (4)

### **Technical Information**

Appearance - Semi-solid block  
Biodegradable internal coconut skeleton  
Percent Moisture - 40% maximum  
pH of 0.5% solution - 6-8  
Shelf Life – up to five (5) years



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## Placement and Directions for Use

**Aeration Systems**—An aerator or bubbler system creates water movement over and around the APS 800 Series Pond Log, enabling the polymer blend to dissolve and disperse throughout the water body. The APS 800 Series Pond Log is tied to a float which keeps the log in line with the upward bubble movement and off the pond bottom. The float also conveniently marks the location of the system in the pond. Multiple APS 800 Series Pond Logs may be added.

**Floating Fountain**—The APS 800 Series Pond Log is placed immediately beneath the fountain. The intake creates a flow of water through the basket and over and around the APS 800 Series Pond Log creating the necessary mixing required to dissolve and distribute the log components. The APS 800 Series Pond Log must be in the flow of water and that the fountain should be placed in an area of the pond that provides even distribution for best performance.

**Waterfalls**—An APS 800 Series Pond Log placed in the flow of a waterfall or rapids system dissolves and mixes well with the down-slope or down gradient movement. For best results, place the APS 800 Series Pond Log(s) near the top of the grade, in the flow of water, to maximize mixing and reaction. Varying flow rates/velocities and quantities of suspended abrasive solids (such as sand) will create variability in the dissolution rate. The APS 800 Series Pond Log comes with ropes at each end to secure and prevent it from falling down the steps of the waterfall with the movement of water.

	Pond Log	Mini Pond Log	Micro Pond Log
Weight (lbs)	9.60	2.00	0.15
Size	12" x 4" x 8"	5.5" x 2.5" x 3.5"	4" long x 0.75" diameter
Gallons Treated	~325,000 -- ~1 million	~100,000	<10,000
Acre Feet	~1 -- ~3.1	~.33	~.03
Cubic Feet	~44,000 -- ~134,000	~14,000	~1,400
Cubic Meters	~1230 -- ~3785	~379	~38
Life Span	~2 -- 4 months	~1 month	~2 weeks

## Cleanup:

Use soap and water to wash hands after handling. Plastic or rubber gloves are recommended after Pond Logs become wet.

## Precautions / Limitations

- APS 800 Series Pond Logs are extremely slippery when wet.
- Spills should be cleaned up quickly using a dry cloth to minimize spreading of the slippery polymer.
- APS 800 Series Pond Log will remain viable for up to 5 years.
- APS 800 Series Pond Logs are soil and water specific. Testing must be done to determine the correct site specific Pond Log. For more information, contact Applied Polymer Systems.