



Newsletter

Volume V, Issue I

Spring 2018

Special points of interest:

- Why should you do Indoor Air Quality Testing

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Mosquito Control Program

We are pleased to announce that Envirotech Environmental Consulting, Inc. (EECI) is now offering an integrated mosquito control program. Aside from our biological control utilizing mosquito eating fish "Gambusia holbrooki", we now will be offering an integrated management program. EECI is incorporating a larvacide in both granular and liquid form into our management plan. The larvacide has a growth blocking hormone that prevents larvae and pupae stages of mosquito from becoming the nuisance biting adults. Our treatment areas will include permanent water bodies and semi-permanent water bodies or low depressions which frequently flood creating sources for breeding mosquitoes. By Integrating our mosquito control program these problem areas will be able to be affectively managed. Treatment time is now throughout the summer months for the best control of larvae. The warmer the weather gets, the shorter the mosquitoes stay in the larvae and pupae stages. Our products being used meet the industry standard and are the safest biological

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Stormwater Wet Ponds in the Mid-Atlantic

Stormwater wet ponds in the Mid- Atlantic region are subject to infestation of pioneer rooted submerged aquatic vegetation (SAV's) growth and development at a rapid and profound rate and frequency. Native nuisance and exotic invasive vegetation is transported into the water columns by natural and human induced dispersal methods. Wading birds, waterfowl, reptiles (turtles), mammals, etc. inevitably spread seeds and plant fragments from one basin to the next by cohesion/adhesion or fecal release when they pond jump as part of their niche and in search of new habitat. Aquatic pond weeds grow and develop from both seed (sexually) and plant fragments (vegetative). Once tubers and or root systems take hold in benthic soils; the growth, development and seed production occurs rapidly in the shallow storm water pond culture due to the available nutrients and the sunlight available in the "Photic Zone." The full photic zone is typically 3'-4'in depth. Therefore, permanent pool wet ponds of shallow depths from 12" on the bench shelf to 4' in the permanent pool allow for optimal conditions for pond weed, algae, and emergent plant growth and development. Species such as Hydrilla, Milfoil's, Sago Pond Weed, Parrot Feather, Curly Leaf Pond Weed, Water Primrose, American Pond Weed, Elodea, Broadleaf Cattail, Phragmites australis and algal types, to mention a few, grow and self-regulate themselves to the shallower areas typically up to 36' of depth or less. Once established in the pond, biomass accumulations become extreme over time. Along with rapid growth and development also brings death, dying, and sloughing off of plant stems, leaves, etc. away from the main stem. As the material begins to undergo aquatic bacterial and aquatic fungus decomposition, the dissolved oxygen levels begin to drop and anaerobic conditions may occur creating bio-fowling odors and unsightly appearance. This inevitably causes complaints from homeowners and property owners due to the physiological impacts of an unhealthy appearance. Because aquatic vegetation reproduces sexually and a-sexually physical removal is not practical because that promotes spread, requires profound labor intensity and in adverse unsafe

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Morton Electric Motors Sales and Service

AquaMaster, Kasco, and Otterbine: Authorized service center. Factory trained certificate in service, repairs, and troubleshooting. Over \$10,000 in parts inventory to assure timely repairs.

Numerous awards from AquaMaster in Outstanding sales and service achievement.



Whether it's Beauty or Aeration, We have Product to Fit Your Needs



SePRO is a research-based life sciences company

providing innovative products and services for specialty environmental and human health markets. They distribute top-notch products worldwide and supply EECI with the majority of our Aquatic Herbicides and Algacides. We utilize reliable SePRO products including but not limited to SonarONE, CaptainXTR, Renovate 3, and Phoslock to treat problematic vegetation/algae and keep our ponds functioning in good ecological and biological health.

For many years, SePRO has recognized EECI as a SePRO Preferred Applicator. According to SePRO, this title acknowledges aquatic applicators nationwide who are "the very best in the industry." We are

delighted to ensure our dedication to serving our local communities utilizing the latest advances in training, technology, and products.



Staff News

Meet Our Professional Staff



Todd Fritchman
Aquatic Biologist/President



Anthony Konrad
Professional Environmental
Services Manager



Tyler Hammond
Director of Operations



Allison Bowman
Senior Project Consultant



Patty Benson
Business Manager



Cindi Silverblatt
Controller | Finance and
Procurement Director



Tre Elliott
Assistant Project Consultant



Rob Eastburn
Administrative / Logistics

Stormwater Wet Ponds

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work conditions. Therefore, a wide variety of EPA registered aquatic herbicides are required for control on a frequent basis throughout the growing season and winter months. The products must be applied by licensed aquatic pesticide applicators that are heavily trained for species specific treatment and monitoring. The products required are expensive and therefore drive a costing to the user if control is desired, as it is in most cases. In conclusion and as a matter of fact, water columns of permanent pool ponds deeper than 4' are much easier and more cost effective to manage than those of a shallower nature.

Mosquito

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control.

For more information on mosquito control, please contract EECl's professional office at 302.684.5201 or via email at info@envirotechcinc.com.

Did you know...



CANADIAN GEESE FACTS

- That geese typically return to the same nesting site, year after year?
- That geese fecal mater has been linked to the spread of various diseases?
- That the average goose drops 2 pounds of fecal mater every day?
- That the average goose eats 4 pounds of grass every day?

Spring Goose Control

It is prime time for Canada Geese (*Branta Canadensis*) nesting. Envirotech Environmental Consulting (EECI) would like to be proactive in reducing the amount of Canada Geese in and around the ponds.

Now is the time to keep an eye out for "Pairing Geese" which are likely preparing to mate and nest around the pond. It is important to deter nesting when possible to prevent goose hostility and reproduction. In addition, any goslings (juvenile geese) hatched and raised on a pond will eventually return to the pond during their migratory cycle.

In order to prevent population growth EECl is asking that community members inform the designated liaison, who will then communicate with EECl, of the location of any Canada Geese nests. Since Canada Geese nest in wooded areas, EECl staff may not be aware of their presence.

For more information, please contact our professional office at 302.684.5201 or email info@envirotechcinc.com.



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