

AMSTON LAKE HEALTH COMMITTEE

Regular Meeting

MINUTES

February 13, 2019 6:00 P.M.

ALA Clubhouse, 16 Wood Acres Road, Amston, CT 06231

Meeting held at Hebron Library

A. Call to Order:

- a. The meeting was called to order at 6:00 P.M.
- b. Roll Call of Members:
In Attendance: Frank Hoisl, Joyce Clark, Jeff Arpin, Les Parlin as Guest

Absent: Laurel Hennebury, Kathy Garvie, Maureen Dagon, Al Fichtel, Steven Reagan, Kathleen Feldman, Dave Bareiss

B. Discussion Topics

- 1) SOW with Aquatic Ecosystems Research (AER),
 - a) SOW details
 - i) Sent initial draft out for committee comments, Frank combined comments and sent draft to AER for comment
 - ii) AER responded with comments and request for information and Jeff and Frank provided responses.
 - iii) AER responded with minor comments and Frank will send out to the committee for closure then issue to AER
 - b) Water sample testing, see attachment at end of minutes
 - i) Kathleen Feldman solicited professional services to test both deep water and inlet samples, The following responded
 - (1) CESE UCONN,
 - (2) Phoenix Labs, Manchester CT
 - (3) Microbac, Dayville, CT,
 - (4) EMSL Wallingford, CT,
 - (5) Penn State
 - ii) Per Frank, the lowest cost option was Phoenix labs, Manchester CT at approximately \$10,000
- 2) DEEP funding water Improvement
 - a) Joyce noted there may be money available to Amston Lake for water improvement but the committee understood there will be many looking for it
 - b) Joyce thought of a post dredging assessment as a good point to start.
 - c) Frank noted he would look into a few people on the board to investigate
 - d) Proposals are due 4/3/19

Commented [Ja1]: Frank, looking at the info Kathy got seems like Penn State is the lowest price due to the \$42 package deal

- e) Frank noted CFL announced a 2019 lake grant program, they are broken out into 3 - \$1000 grants. Jeff was assigned the action to investigate, Action item 50
- 3) Dry Hydrants
- a) ALD member Todd will work with the Hebron and Lebanon Fire Chiefs to figure out what is best for the community and the Fire departments
 - b) Joyce reported in an email her discussions are summarized as follows
 - i) Hebron Captain Jason Schall noted there is a mtg Monday Feb 11th 6:00PM at the Lebanon Senior Center pertaining to a fire dept study for a future SUB STATION. Joyce will attend.
 - ii) The fire department study is complete and favorable for a needed substation in Lebanon, However, they will review the pros and cons? This may be considered an option that would satisfy the lakes concern/need for the future
 - iii) Lebanon Alan Olenick. the Dry Hydrant POC. He recalls fire access pipes at Lollipop, Cove Rd and assumed Spafford Row.
 - (1) working with the DEEP to understand another type of hydrant (for shallow water).
 - (2) The Cistern System may be applied in two other areas of the town of Lebanon
- 4) Plunge Pool Investigation
- a) Joyce has contacted Joseph E. Polulech P.E. President, JEP Engineering Company to investigate the ROW and our (8 current) plunge pools
 - b) A walk around the lake with Joseph E. Polulech, Joyce and other committee members will occur at 10:00 A.M. Saturday Feb 23rd
 - c) Joyce noted the following information is available to JEP Engineering
 - i) An Oct 2018 Bathymetric Study- map is available
 - ii) Map of current Beaches & ROWS (right of ways) with areas of barley straw Placement.
 - iii) A Lake Drain project (storm drain locations) dated summer 2000
 - iv) An analysis of storm water conveyance systems from the town of Hebron - Date Unknown
 - d) One long term goal of the committee is to filter and clean water naturally. JEP Engineering input on current design or revamping the current design and future efforts is requested
- 5) Sewer Connection
- a) There are approximately 20 Lebanon locations not connected to the Sewer System.
 - b) After the meeting Frank provided the current "not connected" addresses which is attached to the end of these minutes
 - c) ALD will be in contact with WPCA to see what needs to be done to get these addresses connected. It is understood that some of these addresses may not have a residence.
- 6) Action items
- a) Jeff reviewed action items
 - i) Action items 6,21,29,36 no updates

- ii) Action items 16,30,31,33,35,44,45,46,47 were updated and are tracked in the list. Great progress this month.
- 7) Budget 2019-20
 - a) Frank presented the meeting agenda pages covering the proposed budget and requested the committee to provide their comments ASAP so we get make sure we are prepared for the budget meeting
 - b) Frank requested input on page 9 of the agenda which listed the draft proposed lake health budget
- 8) Lake Management Plan
 - a) Jeff provided an update on the Lake Management Plan to close action item 31
 - i) The current management plan was scanned and (Optical Character recognition) OCR in a Portable Document Format (PDF) by Allison
 - ii) This enable the document to be imported into Microsoft Word such that the document could be edited
 - iii) Jeff converted to Microsoft Word and corrected the many import issues that occurred then added sections and a table of contents then saved as the starting point
 - iv) Jeff is currently adding his comments to the document using track changes so when reviewed by the committee the modifications can be clearly seen
 - v) A meeting may be scheduled for this review at a later date but in time to complete by late spring
- 9) Historical files in website
 - a) Jeff referred to the Action item 35 for progress, plan to scan appropriate lake management files
- 10) Lake management erosion webinar 2/14
 - a) Jeff noted he would attend the seminar and report on results
 - b) Action item 49 created so this is not missed
- 11) Spring water collection plan
 - a) Tabled to next meeting, Frank to add to next month agenda

C. Next Steps:

- a. Future agenda items
 1. Lake Manager responsibilities, BOD made modification and needs review by ALHC
 2. Web Site format, Action item 6
 3. Off season communications to district
 4. Plans for 2019
 5. Close on Lake Health Budget request
 6. Review of updated Lake Management plan
 7. Review of Historical lake management records to scan
 8. Results of lake ROW and plunge pool investigation by JEP Engineering
 9. Spring water collection plan

D. Adjournment:

- a. Next meeting date to be scheduled
- b. The meeting adjourned at 7:50 P.M.

Respectfully submitted by: Jeff Arpin
 Attachments follow

Description of properties currently not connected to the Sewer System

PROPERTY STREET NUMBER	PROPERTY STREET NAME
84	COVE RD
23	DEEPWOOD DR
144	DEEPWOOD DR
181	DEEPWOOD DR
309	DEEPWOOD DR
326	DEEPWOOD DR
390	DEEPWOOD DR
391	DEEPWOOD DR
403	DEEPWOOD DR
485	DEEPWOOD DR
509	DEEPWOOD DR
26	LEDGE RD
72	LEDGE RD
25	LOUISE RD
59	RYAN TERRACE
129	RYAN TERRACE
137	RYAN TERRACE
151	RYAN TERRACE
5	SCANLON TERRACE
88	W ISLAND BEACH RD

Amston Lake Water Testing

Parameter	Phoenix Labs Manchester, CT	CESE UCONN	Microbac Dayville, CT	EMSL Wallingford, CT
Total Phosphorus	Yes	Yes	Yes	Yes
Nitrate	Yes	Yes	Yes	Yes
Nitrite	Yes	Yes	Yes	Yes
Ammonia	Yes	Yes	Yes	Yes
TKN	Yes	Yes	Yes	Yes
Turbidity	Yes	Yes	Yes	Yes
Alkalinity	Yes	Yes	Yes	Yes
Chloride	Yes	Yes	Yes	Yes
pH	Yes	Yes	Yes	Yes
BOD (5 day)	Yes		Yes	Yes
<i>E. coli</i>/Fecal Coliform	Yes		Yes	Yes
Chlorophyll a		Yes	Yes	Yes
Algae Enumeration			Yes	Yes

*I also got a quote from Penn State – They have a special Pond/Lake water testing package which includes: pH, Total dissolved solids, nitrate, alkalinity, aluminum, iron, manganese, phosphorus, sulfate and hardness. They also do *E.coli* . (mailing is free) They are an accredited lab but they don't hold a CT State certification, however, since we are not testing for compliance, that may be fine, but we could check with AER about this.