



Office: 147 West Main Street, Hillsborough, NH 03244

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### **Meeting Minutes**

### **Emerald Lake Village District (ELVD) Commissioner Meeting**

**Thursday, April 20, 2023**

#### **Board Attendees**

Brett Taber, Commissioner (Chair)

Debbie Kardaseski, Commissioner

Sarah Murphy, Commissioner

Carolyn Renken, Treasurer

Sara Auger, Clerk

#### **Residents - Melissa Taber**

#### **Other - Bow Smith (Road Agent)**

The meeting was called to order by Commissioner Taber at 6:30pm on April 20, 2023. Followed by the Pledge of Allegiance and roll call to confirm a quorum of Commissioners.

The first order of business was to review the draft change to the rule relative to use of fireworks on District property. Commissioner Kardaseski finished up the final draft after working with legal counsel, Hillsboro and Henniker PD and the Hillsboro prosecutor and the Hillsboro Fire Department. It was noted, the way the ordinance reads, if Hillsboro PD is unavailable, then for instance, Henniker PD could enforce. One change was to remove the display possession, as owning fireworks is not illegal in NH. The proposed ordinance was read to those present, as well as a DES fact sheet. Commissioner Kardaseski stated from a health standpoint, banning fireworks is the way to go, as well as Primex will not insure the district if there are any accidents, will not cover injury and the taxpayers will end up paying for it. This ordinance will be enforced by the police department and not the commissioners. The prosecutor knows this is something that can be prosecuted if necessary. Current 3:16 in regulations would be rescinded as of date voted and then add in the new ordinance.

A motion was made by Commissioner Kardaseski to adopt the fireworks ordinance as written and presented on April 20, 2023. Seconded by Commissioner Murphy, all in favor, motion passed.

“No Fireworks” signage will be placed at the beaches, with Commissioner Taber to provide samples and cost for the next meeting.



## **Emerald Lake Village District**

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## **FIREWORKS ORDINANCE**

The display, use, and ignition of all classes of pyrotechnic devices (fireworks) shall be **prohibited** on all property owned by the Emerald Lake Village District (“District”) and all public beaches in the District; including, but not limited to Eastman, Meetinghouse, Emerald, and Hummingbird Beach.

This ordinance may be enforced by any sworn law enforcement officer that has jurisdiction. First offense: \$100.00 fine; second offense: \$250.00 fine. Any violation may be subject to other fines and/or penalties as provided by state or local laws, rules, and ordinances. Any fireworks used in violation of this ordinance are subject to confiscation pursuant to RSA 160-C:5.

This ordinance is adopted pursuant to the authority set forth in RSA 31:39-d (Local Ordinance Citations); RSA 41:11-a (Town and District Property) and RSA 52:8 (Authority of District Commissioners); and RSA 160-C:6 and 11 (Prohibition of Fireworks Displays).

This ordinance shall supersede Section 3.16 of the ELVD “Beach and Lake Rules and Regulations” which reads as follows:

3.16 Fireworks permissible by law are allowed to be used on the beaches but only during hours after dark although no later than 10:30 pm; and must be set off only under safe conditions away from trees or flammable materials with access to water in case of fire, and with sufficient adult persons present to supervise and prevent any damage or danger to others. All trash, packaging and remnants of spent fireworks must be removed after use.

This ordinance shall be effective on April 21, 2023.

# ENVIRONMENTAL Fact Sheet



29 Hazen Drive, Concord, New Hampshire 03301 • (603) 271-3503 • [www.des.nh.gov](http://www.des.nh.gov)

WD-BB-60

2008

## Fireworks and New Hampshire's Lakes

### Concerns of Health and Environmental Effects

There are growing concerns about the use of fireworks around New Hampshire's lakes. As fun and enjoyable as fireworks can be, they may be causing more damage than you know. Aside from the obvious danger of operating controlled explosives, what you may not realize is the effects fireworks have environmentally, economically and health wise.



### Firework Ingredients and their Dangers

Fireworks are composed of many different elements, each contributing to the noise, color or propellant. While these ingredients combine to form a beautiful spectacle, many of them are very dangerous. Here's a list of a few common firework ingredients, their use, and what makes them so dangerous.

Toxic Element	Fireworks Usage	Toxic Effect of Fallout Dust & Fumes
Lead Nitrate/Dioxide/Chloride	oxidizer	Bioaccumulation; developmental danger for children and the unborn; may remain airborne for days; poisonous to plants and animals
Barium	glittering greens	Extremely poisonous, radioactive
Lithium	blazing reds	Slightly toxic
Rubidium	purple colors	Slightly radioactive; can replace calcium in body
Strontium	blazing reds	Can replace calcium in body; can be radioactive
Copper compounds	blues	Dioxin pollution
Aluminum	brilliant whites	Contact dermatitis
Ammonium Perchlorate	propellant	Can contaminate ground and surface waters; can disrupt thyroid functions
Cadmium	firework colors	Extremely toxic, carcinogenic; can bioaccumulate
Potassium Nitrate	in black powder	Toxic dusts, carcinogenic sulfur-coal compounds
Sulfur Dioxide	gaseous byproduct of sulfur combustion	Acid rain from sulphuric acid affects water sources, vegetation and causes property damage

### **The Effects Fireworks have on You and Nature**

The fallout of these different chemicals can affect you both directly and indirectly. Once a firework explodes in the sky, it does many things. The gases from the rocket and the explosion are released into the atmosphere, where they are inhaled by humans and animals, and hurt the ozone layer. In addition to the gases, the debris and burning metals fall back to earth where they litter the area, contaminate aquatic ecosystems, and poison the wildlife, eventually working their way up the food chain.



### **How Phosphorus in Fireworks Impacts the Water**

It has taken years to determine the dangers associated with the many ingredients in fireworks. Up until very recently, phosphorous (also found in fertilizers) was highly popular in fireworks until the realization of its associated problems to the environment. Although most manufacturers no longer incorporate more than trace amounts of phosphorus in fireworks, every little bit added to a lake can influence water quality. Phosphorus accelerates a process called eutrophication, which is the process that results in increased biomass, decreased lake clarity, decreased bottom oxygen, and increases the likelihood of cyanobacteria scums. Algal and cyanobacteria blooms caused by phosphorus introductions impact fisheries, drinking water supplies and impact the health of people who recreate in the waters as well as pets and any animal that drinks these waters.

### **The Final Impact**

Altogether the damaging effect fireworks have is overwhelming. They impact water quality by affecting the odor and taste of drinking water. On the economic side, excessive algal and



cyanobacteria growth due to phosphorus or contamination due to firework fallout increases water treatment costs, degrades fishing and boating activities, and impacts tourism and property values. The cost of damage done to property, the litter and the effect upon both wildlife and human life is incalculable. The Department of Environmental Services urges you to consider the effects of fireworks and perhaps find an alternative to a problem that is only growing with time.

**For more information, please go to these links:**

[www.geocities.com/Yosemite/Falls/9200/toxic\\_fireworks.html](http://www.geocities.com/Yosemite/Falls/9200/toxic_fireworks.html)

[www.serconline.org/phosphorus/background.html](http://www.serconline.org/phosphorus/background.html)

Next, our Road Agent, Bow Smith gave various updates on road work including:

- Spoke with Collin Stuart about the water main project starting for 2023 and current road conditions.
- For grading, there are less than a dozen roads left to do, with next being done: Boulder, Dawn and Hummingbird. By next week, have all roads graded, raked and rolled. Then all parking lots graded, raked and rolled at beaches.
- Has started some drainage ditches, this will be more of a focus next month.
- Feels we should wait a bit longer on calcium chloride disbursement, especially with rain in forecast.

- Next month the focus will be culvert cleanout. This month's focus is grading and parking lots.
- Reached out to Antrim and Greenfield DPW and both said roads are hard this year and very compacted, we are seeing this as well.
- In doing research, Bow has found a culvert repair class and if a certification is received, up to a certain size you are allowed unlimited culvert repairs. This would eliminate the need to get a permit for every culvert, would be for 4 feet down and 4 feet parallels included. Bow will continue to look into this for ease in the future, making this less of a hassle and a savings towards culvert repair.
- In early April, stone and gravel was ordered and no more is needed at this time. Once water main replacements start up, more will be needed.
- The sandpit will be reorganized in preparation for construction starting.
- Roadside mowing will commence in August, and be kept scenic, focus will depend on which roads SUR construction does.

Next item discussed was approval of meeting minutes for March 29, 31 and April 6, 2023.

A Motion was made by Commissioner Taber to approve meeting meetings as written for March 29, 31 and April 6, 2023. Seconded by Commissioner Murphy, all in favor, motion passed.

Next roads to be considered for environmental review for the continuation of the water main replacement project are:

Beaver Glen  
Boulder Pass  
Chipmunk Ln  
Dawn st  
Firefly Ln  
Forest Lake Dr  
Kings Row  
Lake Shore  
Rabbit Path  
Rainbow's End

Aquamen will be marking off curb stops on these roads for any future designs by Wright Pierce.

The 22' funding should be completed this year, with focus to maximize how many roads get replaced to improve water loss. SUR and Wright Pierce are looking at start dates, there are 2.5 roads left to complete and hoping to do another 2-6 roads this summer.

Sarah has the permit for the Sunrise culvert and this typically takes 5-10 business days to review.

Waiting on initial stages for data, bid specs for Patten Hill/Meetinghouse Treatment improvements. Still working on the Eastman well financial model.

An update on the Asset management, the GIS license has been obtained. Start adding new drawings from SUR and can also be used for the stormwater asset management. The goal is to provide a 5-10 year financial plan and residential metering data mining. The strategic planning grant will work towards Eastman well engineering.

Next, approval of manifests. April Manifests: Water (\$98,926.92), General (\$18,575.25)

A motion to approve manifests for April 2023 as noted by Commissioner Taber, Seconded by Commissioner Kardaseski, all in favor, motion passed.

Next discussed, Final prep for annual meeting. Meeting will take place at the Hillsboro Deering Elementary school April 22, 2023. With voting 10am-noon and meeting starting at 12:30pm.

The board received a driveway permit for 54 Huntington Drive. The Commissioners will look at setbacks and do a site review to talk about a decision at the next meeting.

Next, Commissioner Kardaseski presented a letter to the board, reading:

Dear Board Members,

I am submitting my resignation from the Board of Commissioners effective Monday, April 23, 2023. The decision has been a difficult one because I've enjoyed helping the District progress through the many projects currently underway. It has been exciting to see all that's been done in the last couple of years.

After "retiring," I was contacted by a former client and given the opportunity to work on a large publishing job. It has proved to be incredibly time consuming and will continue to be so through the foreseeable future. Given the number of projects underway in the District, the Board needs someone who can devote more time and energy to the position than I am able to.

Thank you all for the tremendous amount of work you've accomplished. It has been a pleasure to work with you.

Sincerely,

Debbie Kardaseski

Commissioner Kardaseski said she can still support the district with the annual report and Commissioner Taber thanked her for her support of the district.

A motion to accept Commissioner Kardaseski's resignation as of April 23, 2023 was made by Commissioner Taber and seconded by Commissioner Murphy. All in favor, motion passed.

Next noted was the final application for the SRF funding due to the state by May 1.

A motion was made by Commissioner Taber to authorize the Chairperson to sign the final application and/or the withdrawal request, contingent on articles presented at Annual Meeting. Seconded by Commissioner Murphy, all in favor, motion passed.

Next district meetings are May 4 and May 18. All meetings are open to the public. On May 4th, new position/s will be sworn in and summer dates for meetings will be selected.

A motion to adjourn by Commissioner Taber was made at 7:53 pm. Seconded by Commissioner Murphy, all in favor, motion passed.

Respectfully submitted by: \_\_\_\_\_ Sara Auger, ELVD Clerk

Approved by:

\_\_\_\_\_ Brett Taber, Commissioner (Chair)

\_\_\_\_\_ Debbie Kardaseski, Commissioner

\_\_\_\_\_ Sarah Murphy, Commissioner