



**Town of Mendon
Board of Health
18 Main St. Mendon
Minutes for
January 10, 2018**

Andy Fiske, Chairman called the meeting to order at 6:00 p.m.

Present: Alan Greenberg Vice Chairman Tom Fichtner - BOH Member

Location – Board of Health Office– 18 Main Street, Mendon, MA 01756

138 Blackstone Street – John Marquadant is the engineer representing the property owner. They are requesting a separation, between the SAS and high groundwater, of 3ft. instead of 4ft. This plan has been approved by BOH Engineer Tom Ryder (Please see attached memo). Tom F. made a motion to approve the request. Alan seconds the motion. Both members agreed. Andy recused himself because he might be installing the system.

36 Millville Street – Fred Lapham from Shea Engineering is the engineer representing the property owner. They are requesting a separation, between the SAS and high groundwater, of 3ft. instead of 4ft. This plan has been approved by Tom Ryder (Please see attached memo). Alan G. made a motion to approve the request. Tom F. seconds the motion. All members agreed. Motion carried.

3 Blackstone Street – Robert Taylor, owner of 3 Blackstone Street, and Daniel Boucher (Title V Inspector) came to talk to the Board regarding the Title V Inspection Report. The report indicated that it needed further evaluation by the local approving authority. Missy send the report to Tom Ryder (Please see attached memo.) Based on Tom Ryder's memo, the Board approved the Title V Inspection Report.

Trash and Recycling – The Board would like Mike and Dan from Republic Services to attend a Selectmen's meeting with them. The Board would like to educate the Selectmen about the current issue worldwide regarding recycling, especially paper recycling and explain the issues that have happened over the winter so far with the service they have provided.

1 Milford Street – The Board would like Missy to contact DJ Wilson. They would like retail training to be offered to the owner and employees in regards to the sales of tobacco.

Next meeting will be January 24, 2018 at 6:00 p.m.

Alan made a motion to adjourn the meeting. Tom seconds the motion. All members agreed. Motion carried. Meeting adjourned at 8:10 p.m.

To: Mendon Board of Health

From: Tom Ryder

Date: January 10, 2018

**Re: Mendon Board of Health Plan Review
138 Blackstone Road-Local Upgrade Request Form 9A**

The applicant is requesting a Local Upgrade Approval for the proposed septic system repair at the existing above referenced property.

Title 5 requires that the bottom of a soil absorption system is at least 4 feet above the estimated high groundwater elevation. The applicant is requesting the proposed soil absorption system to be 3-feet above the estimated seasonal high groundwater table.

As this is a repair, and the site limitations make the best available location for a soil absorption system. The area is on a sloped area with High groundwater. I am recommending approval of the Local Upgrade Request as provided on the plan entitled, "Local Upgrade Approval" by JD Marquedant dated September 11, 2017 revised 9/25/17.

To: Mendon Board of Health

From: Tom Ryder

Date: January 10, 2018

**Re: Mendon Board of Health Plan Review
36 Millville Road-Local Upgrade Request Form 9A**

The applicant is requesting a Local Upgrade Approval for the proposed septic system repair at the existing above referenced property.

Title 5 requires that the bottom of a soil absorption system is at least 4 feet above the estimated high groundwater elevation. The applicant is requesting the proposed soil absorption system to be 3-feet above the estimated seasonal high groundwater table.

As this is a repair, and the site limitations make the proposed area the best available location for a soil absorption system. I am recommending approval of the Local Upgrade Request as provided on the plan entitled, "Repair IA System" by Shea Engineering dated December 4, 2017.

To: Mendon Board of Health

From: Tom Ryder

Date: January 10, 2018

**Re: Mendon Board of Health Plan Review
3 Blackstone Road-Local Title 5 Inspection Report**

The property owner's Title 5 Inspector has submitted a Title 5 Inspection report for the above referenced property in accordance with Title 5 and dated 12/9/17 (Inspection).

The report indicates that the septic system is located greater than 50-feet but less than 100-feet from the owner's private well. A water analysis provided by the inspector shows the well is free of coliform bacteria, but has Nitrate-Nitrogen at 5.81 ppm. In accordance with section 15.303, the system is in failure unless the Board of Health determines that the system is functioning in a manner that protects the public health.

Findings that the system is functioning in a manner that protects the public health is based on the following findings:

1. The design of the system was approved by the Board of Health in 2002 in accordance with Title 5 for a repair.
2. The vertical separation offset to groundwater was determined by a soil evaluator and meets Title 5 requirements of at least a 3 or 4-foot offset.
3. The soil absorption system is approximately 79-feet from the private well and the well is located up-gradient from the soil absorption system. Wastewater discharging into the ground is likely traveling away from the well.
4. The soil characteristics of the area are described by the Soil Conservation Services as loamy sand to gravelly loamy sand with high groundwater table and low ability to transmit water.
5. Well analysis on December 9, 2017 shows Nitrate-Nitrogen at 5.81 ppm. Drinking water standards limit Nitrogen to 10-ppm; Title 5 limits Nitrogen to 5-ppm. Ammonia-Nitrogen was found to be non-detect.

As this is a system that was repaired fairly recently (2002) and also repaired in accordance with the most recent 1995 code and based on the above referenced findings I recommend that the Board of Health may pass this septic system. The Board should consider that the owner re-sample the well for more comprehensive scan. I suggest have the well be tested for:

- Coliform bacteria
- Ammonia, nitrite, nitrate
- VOC method 524

Approved March 28, 2018