



**SHIAWASSEE COUNTY**  
**HEALTH DEPARTMENT**  
*Promoting Wellness. Protecting Health.*

**CONFORMANCE**

December 19, 2023

Evelyn Bailey  
10980 Byron Road  
Byron, MI 48418

RE: Authorization for sale of property located at **10980 Byron Road, Burns Township, Section 11**

Evelyn Bailey,

On December 18, 2023, this office received an inspection report regarding the construction and functional status of the onsite water supply system and onsite waste disposal system located at the above-mentioned address.

**In light of the information contained in this report, this office has determined that the systems inspected ARE in substantial conformance with the Shiawassee County Regulation for the Inspection of Onsite Water Supply and Sewage Disposal Systems at Time of Property Transfer and the property is authorized for sale.**

This AUTHORIZATION is valid for **one year** and does not imply that the system(s) meet all current construction standards. Further, this authorization does not imply or express any warranty or guarantee as to the future function and suitability of the inspected systems. The referenced evaluation was performed based on past use of said system(s) and any change in future use may change the operational status of the inspected systems.

The following items were identified as actions that could be taken to extend the life of the system(s), or are of concern (*however said system(s) are in substantial conformance with the above-mentioned regulation and **no repairs are required***): RECOMMENDATIONS

1. The Environmental Health Division recommends pumping out the septic tanks every 3 to 5 years and that no "additives" be used in the tanks. Property owners have full responsibility for upkeep, maintenance, and repair of the systems.
2. The water samples collected indicate Arsenic at a level of **.025 mg/l or 25 parts per billion (ppb)**. The arsenic level in the water sample exceeds the United States Environmental Protection Agency's (EPA) maximum contaminant level of .010 mg/l or 10 ppb for **public** water supplies. The EPA does not mandate the treatment of arsenic in **private residential** drinking water supplies such as this one. For more information on arsenic treatment or removal options, please do not hesitate to contact this Department at (989) 743-2390 or visit our website at <http://health.shiawassee.net/Environmental-Health>.

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**Environmental Health Division**

201 N. Shiawassee St., Corunna, MI 48817 • Office 989.743.2390 • Fax 989.743.2413 [www.shiawasseechd.net](http://www.shiawasseechd.net)

3. While the septic system meets the ordinance's standards of being at least 50% the size of current sizing requirements and is functioning, it is recommended that that water conservation measures be practiced to help prolong the life of the septic system. Properly designed septic systems have a life expectancy of 20-25 years.

It is encouraged that all owners of the subject property maintain a copy of this AUTHORIZATION with other important home records. Any questions regarding this letter should be directed to the Shiawassee County Environmental Health Division.

Sincerely,

A handwritten signature in blue ink, appearing to read "Casey D. Elliott".

Casey D. Elliott, REHS  
Director of Environmental Health

Cc: Steve Herr



### Sewage System Inspection

\* Was the OSDS hydraulically loaded:  Yes  No Time: 30 min Flow Satisfactory:  Yes  No

Were you able to locate septic tank:  Yes  No Drainfield:  Yes  No

Data Source:  Homeowner  County Records  Pumper Records  Field Measurements

Pump Chamber:  Yes Pump Operating:  Yes  No Describe: \_\_\_\_\_

\* Homes vacant more than seven (7) days and only one (1) resident must be hydraulically loaded. Protocol: Water must be run through system 20-45 minutes depending on anticipated daily water use. Do not overload septic tank.

#### Drainfield Information:

Location Acceptable:  Yes  No  Could Not Locate Number of Holes Bored: 3 Probed:  Yes  No

If no,  < 20' To Basement  < 50' To Well  < 10' to Trees  > 30" Deep  
 < 75' Commercial Well

< 100' To County Drain, Lake, Pond, River  < 10' To Property Line

Type of System:  Bed  Trenches  Sand Filter  ATU  Mound  Chamber

# of Trenches: 5 Width: 36" Length of Trenches: 57 Total Ln. Ft.: 343'

If Bed System: Length \_\_\_\_\_ X Width \_\_\_\_\_ Total Sq. Ft.: \_\_\_\_\_

#### Condition of Stone/Drainfield:

- Wet, Clean Stone >50% Hole(s) #: \_\_\_\_\_
- Dry, Clean Stone >50% Hole(s) #: 1,2,3
- Grayish Stone >50% Hole(s) #: \_\_\_\_\_
- Blackish Stone >50% Hole(s) #: \_\_\_\_\_
- Lush Grass Grown Over/Near Drainfield
- Surface Discharge
- Sewage Ponding on Drainfield
- Area Subject to Flooding
- Drainfield Under Parking Lot/Driveway
- Tree Roots in Drainfield
- Tile Plugged

#### Soil Texture - Drainfield Area:

##### Wet Conditions

- Coarse/Medium Sand Hole(s) #: 1,2,3
- Fine Sand/Loamy Sand Hole(s) #: \_\_\_\_\_
- Sandy Loam Hole(s) #: \_\_\_\_\_
- Loam/Sandy Clay Loam Hole(s) #: \_\_\_\_\_
- Clay Loam/Silty Clay Loam Hole(s) #: \_\_\_\_\_

##### Dry Conditions

- Coarse/Medium Sand Hole(s) #: 1,2,3
- Fine Sand/Loamy Sand Hole(s) #: \_\_\_\_\_
- Sandy Loam Hole(s) #: \_\_\_\_\_
- Loam/Sandy Clay Loam Hole(s) #: \_\_\_\_\_
- Clay Loam/Silty Clay Loam Hole(s) #: \_\_\_\_\_

Comments/Recommendations: (attach additional page if necessary)



### Water Supply System Inspection

Drilling Year: \_\_\_\_\_

Well Depth: \_\_\_\_\_ Ft.

Well Log:

Well Depth Verified From:  Well Log  
 Driller  
 Owner  
 County Records

Type of Storage Tank:  Bladder  
 Captive Air  
 Other

Casing:

Steel  Plastic

Diameter:  1.25"  
 2"  
 3"  
 4"  
 5"  
 6"

Termination:  Pitless Adapter  
 Basement Offset  
 Drained Well Pit  
 Dug Well  
 Not Found  
 Un-drained Well Pit

Pumping System:

Type:  Submersible  
 Hand Pump  
 Shallow Well Jet  
 Deep Well Jet

Cycling:  Long  
 Adequate (Ok)  
 Short

Yielded GPM: \_\_\_\_\_ (approx.)  
Yield Test Performed:  Yes  No

Site Condition/Construction:

- Well Head 12" above grade
- Proper Ventilation (Vented Well Cap)
- System Located on subject Property
- Signs of Insect Infestation
- Unprotected Suction Line (Buried Well Head)
- Well Shared with other Premises

- Major Cross-Connection:
  - Non-Potable Water Supply
  - Chemical Mixing Tank
  - Sewage System
  - Other \_\_\_\_\_
- Minor Cross-Connections:
  - Yard Hydrant
  - Anti-Siphon Ball Cock Assembly
  - Softener to Sump/Sewer
  - Hose Lying on Ground

Number of other wells on property: \_\_\_\_\_  
Purpose:  Not used  Potable/Domestic  
 Livestock  Irrigation

Improperly Abandoned Well(s) Found

Minimum Isolation Distances Not Met:

- <50' From Septic Drainfield (<75' Commercial)
- <50' From Discernable Buried Fuel Tank (<1,100 gal.) (<800' Comm.)
- <150' From Hazardous Materials Storage (<800' Commercial)
- <10' From Approved Sewer (<75' Commercial)
- <3' From any Building/Structure
- Other \_\_\_\_\_
- <50' From Septic Tank\*
- <50' From Grinder Pump\*
- <50' From Main Sewer\*
- <50' From other/Unapproved Sewer\*
- In Flood Plain

\* <75' Commercial

Comments/Recommendations:

*No well log.*



718 S. Michigan

Howell, MI 48843

(517) 548-2505

Fax (517) 548-3434

www.watertech-inc.com

**WATER ANALYSIS RESULTS**

To:  
Mark Fitzgerald  
3990 E. Six Mile Creek  
Owosso, MI 48867

Date Sampled: 12/5/2023 12:30  
Date Received: 12/6/2023  
Collected By: Mark  
Sample Point: Kitchen

Sample ID:  
10980 Byron Rd  
Byron, MI

Lab Sample Number: 177641-02

Test Parameter	Result	Units	RL	Method	Analysis Date	Maximum Desired Limit
Total Coliform	Absent	Pres/Abs.		SM9223B	12/6/2023 17:20	MCL=Abs. Or 0
Nitrate-N	Not Detected	mg/L-N	0.1	SM4500NO3F	12/6/2023 17:11	MCL=10
Total Arsenic	0.025*	mg/L	0.001	EPA200.8	12/7/2023 0:00	MCL=0.010

\*Exceeds the Maximum Contaminant Level for safe drinking water.

Released By: \_\_\_\_\_

Date: 12/7/2023

Laboratory #23 assigned by the Michigan Department of Environmental Quality for the microbiological and chemical analysis of drinking water.

## ABBREVIATIONS:

RL = Lowest reporting level

MCL = Maximum Contaminant Level - The maximum permissible level established by the USEPA and or MDEQ for safe drinking water.

SMCL = Secondary Maximum Contaminant Level - Suggested maximum level established by the USEPA for desirable water quality.

CFU/100 ml = Colony Forming Units/100 milliliter sample volume.

mg/L = Milligrams per liter (= parts per million).

10980 BROAD RD.



