

ENGINEER'S EVALUATION

ON-SITE DRINKING WATER & WASTEWATER DISPOSAL SYSTEMS

Property Description (Legal): Lot 10 Block 5 of End of the Rainbow

Physical Address: 8250 W Swan Drive

Owner's Name(s): Kevin Clemons

Owner's Address: TRLR 10 41021 Old Michigan Avenue
Canton, MI 48188-2747

Serving: X Single Family Multi-Family (No. of Units)

No. of Bedrooms: 3

ON-SITE DRINKING WATER SYSTEM:

Property Served By:

 Property is served by a Public Water System, approved by ADEC and currently in monitoring compliance.

BK Recent water samples have been tested by a certified ADEC laboratory. Sample results were found to meet current ADEC drinking water standards for coliform bacteria levels.

Notes: Well produced an average flow rate of 8.2 gpm during testing with no drawdown.

ON-SITE WASTEWATER DISPOSAL SYSTEM:

BK This wastewater disposal system was installed by an ADEC Certified Installer and/or Registered Engineer.

BK This wastewater disposal system was tested in accordance with current ADEC policies and was found to be operating adequately. The readily identifiable features of the system were observed and documented.

BK From visual site evidence and ADEC documentation on the system's installation it appears this system was installed to meet 18 AAC 72 regulations and ADEC policies at the time of installation.

 No documents are available for the design or construction of this system. It appears the system meets the separation requirements outlined in the current ADEC regulation 18 AAC 72. It also appears the system meets other ADEC policies that were in place at the time of installation.

Notes: Septic system appears to be operating as designed.

This report portrays the conditions found on the date the system(s) were tested/inspected and to any documents obtained from ADEC or other agency. This report does not constitute a guarantee, explicit or implied, for the future performance of this water supply and/or wastewater disposal system.

Company Job No.: 2022-LRU-001

Inspected By: Thomas Klebesadel

Engineer Responsible: William Klebesadel, P.E.

Date: 9-23-22



Test Worksheet

Property Description: End of the Rainbow, Lot 30 Block 5

Street address: 8250 W Swan Drive

Performed By: Tom Klebesadel

Date: 9/16/22

Owner's Name(s): Kevin Clemons

Owner's Address: TRLR 10 41021 Old Michigan Avenue, Canton, MI 48188-2747

Reviewed By: Bill Klebesadel, P.E.

Date: 9/22/22

Site Information:

No. of Bedrooms: 3

Septic Tank Type, Size & Mfg: 1000 gallon steel, unknown mfg.

per DEC records

Installed : 7/24/06

Absorption System: 5' (W) x 4' (ED) x 40' (L) trench

per DEC records

Calc. Daily Flow: 450 gallons (3

bedrooms x 150 gallons per day)

Well	Depth	<u>40</u>	(ft)	(per well cap)
	Static Water Level:	<u>19</u>	(ft)	
	Casing Above Ground:	<u>22</u>	(inches)	

Septic Tank	Currently In Use:	Yes	<u></u>	No	<u>X</u>
	Needs Pumped:	Yes	<u>X</u>	No	<u></u>

TEST DATA

Time	Well Information					Septic Tank	70 (-2)	Soil Absorption System				Comments
	Reading (gallons)	Water Level (feet)	Volume (gallons)	Total Vol (gal)	Flow (gpm)	Tank Level (inches) [X] Top down	Δ Tank Level (inches)	Total depth		Total depth		
								Tube #1 (inches)	Δ SAS Level (in)	Tube #2 (inches)	Δ SAS Level (in)	
4:43 PM	33327	19	-		-	84	-		-		-	Begin test/flow
5:05 PM	33512	19	185	185	8.4	77	-7					Check levels
5:55 PM	33915	19	403	588	8.1	77	0					Check levels
6:35 PM	34241	19	326	914	8.2	77	0					Check levels
6:57 PM	34421	19	180	1094	8.2	78	1					End flow test
12:00 AM	(9-20-22)					79	1					Check tank
				Average	8.2							

* No monitoring tubes available.
2X required flow run into septic
system. No backup observed at
septic tank, so absorption area
deemed operational.

Well Recovery Time: Immediate

Results: **Pass** X Fail

Field Recovery Time: * See additional comment

Results: **Pass** X Fail

Comments: Well produced an average flow rate of 8.2 gpm during testing with no drawdown.

* Septic system appears to be operating as designed.



Mat-Su Test Lab, LLC



Midtown Community Business Park
9131 East Frontage Road, Suite 15
Palmer, Alaska 99645

Phone: 745-3005 / Fax: 745-3010

Website: www.matsutestlab.com E-Mail: matsutestlab.office@gmail.com

2022-4RU-001

Drinking Water Analysis Report

Total Coliform Bacteria (SM9223B by Colilert)

Mat-Su Test Lab, LLC Alaska DW Microbiology #AK00037 is Provisionally Certified as of 7/25/2022

See Reverse Side For Instructions

Client: Pioneer Engineering	
Mailing Address: 16547 E Smith Road, Palmer, Alaska 99645	
Phone#: Bill; (907) 863-2455	PUBLIC WATER SYSTEM (PWS) ID#:
Information needed for DEC, from your monitoring summary	
Results/Invoice (Please choose at least one):	Facility ID:
Fax:	Sample Pt. ID:
X Email: pioneerllc@hotmail.com; pioneerllcteam@gmail.com	
Hard copy (To be mailed to address listed above)	CI Residual (if applicable):

Legal Description of Property: End of the Rainbow, Lot 30 Block 5

Sample Site Location: 8250 W Sun Drive Trexer Tank
(I.E.: bathroom sink, outside hose bib) Delivered by: MPK

Date Sampled: 9-20-22 Time Sampled: 10:00am Sampled by: MPK

Circle One: Standard Test / Rush Test Circle One: Routine Test / Repeat Test / Special Purpose

This Section to Be Completed by Lab

B222580

Analysis Results:

Lab ID # _____

- ☒ Satisfactory
☐ Unsatisfactory
☐ Sample Rejected – Reason: _____

Chromogenic/Fluorogenic Method Results:

INCUBATOR # 2-1

- A Total Coliform Present (P)/Absent (A) (Yellow / No Color)
A E. Coli Present (P)/Absent (A) (Fluorescence / No Fluorescence)

Received: SEP 20 2022 1154
SEP 20 2022 1202
Started:
Finished: SEP 21 2022 1210

By: UG

By: UG

By: UG