

Professional Engineer's Report on Certification of On-Site Water and Sewer Systems

1) Property Description:

Lot, Block & Subdivision or U.S. Survey NE 44 TRA-11	
Buyer's name(s):	Seller's name(s):
Buyer's address:	Seller's address:

2) Water Sample Results:

- ☐ A recent water sample was tested and found by this engineer to meet Department of Environmental Conservation drinking water standards. Results of other tests may be attached (i.e., Nitrates, etc.)
- ☐ Not required

3) The domestic wastewater system was:

- ☐ Inspected by this Professional Engineer who certifies that the system complies with applicable requirement of 18 AAC 72.
- ☐ Tested by this Professional Engineer who certifies that the performance of the system is satisfactory and that on the day of inspection no non-compliance with the minimum separation distances specified in 18 AAC 72 was observed.

4) This approval is valid for a:

- ☐ single family } with a total of ____ bedrooms.
- ☐ multi-unit }
- ☐ Public accommodation.

ADEC stamp affixed here
(on white copy only)

Stamp # 411013
 Receipt # 700191
 Date 11/9/93

This stamp certifies that the registered engineer who attests that this on-site system meets the standards of the Alaska Department of Environmental Conservation is a participant in the Department-approved program. Under this program, this property is subject to an audit by the Department or its contractor. After an audit, if the system did not meet Department standards, remedial action may be required to bring the system into compliance.

Engineer's name	Signature	
Address	Date	

Distribution:

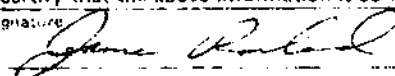
White _____ (page 1 only):	Bank/Lending Institution	
Canary _____ (page 1 only):	Applicant	
Pink and Goldenrod _____ (plus pages 2 through 5):	Department of Environmental Conservation	

Professional Engineer Seal

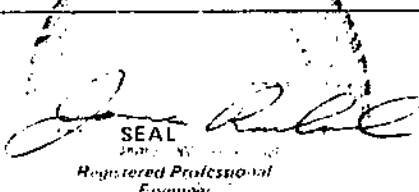
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III. WASTEWATER DISPOSAL			
☒ Septic Tank Absorption System		☐ Package Treatment (Specify Brand Name or Process)	
☐ Holding Tank Specify	Capacity of Tank	Where Wastewater Disposed	Frequency holding tank pumped
☒ Septic Tank Outfall Discharged To subsurface		☐ Other (Specify) (Outhouse, Incinerator, etc.)	
☐ New System		Date Installed	
Name of Installer		Type Manufacturer	
☐ Owner/Builder ☐ Installer ☐ Other No.		Septic Tank Size (Gallons)	
Number of Compartments		Soil Type or Rating	
Type Soil Absorption System	Dimensions/Size Soil Absorption System	Type/Quantity Backfill Material used for Soil Absorption System	
Percolation Test Results		Percolation Test by (Name)	
Minimum Ground Cover over Absorption Area	Minimum Ground Cover over Septic Tank	Cleanout Pipes/Caps Installed on Septic Tank	Cleanout Pipes/Caps Installed on Absorption System
Feet	Feet	☐ Yes ☐ No	☐ Yes ☐ No
Separation Distance to	Water Supply Source on Lot	Nearest Water Supply Source on Adjacent Lot	Nearest Body of Water
Feet	Feet	Feet	Feet
Water Table/Bedrock	Lot Line		
Feet	Feet		
Comments/Recommendations			

☒ Existing System			
Name of Installer		Date Installed	
*Ralph Kilbourne		*9-18-81	
☒ Owner/Builder ☐ Installer ☐ Other No.		Type/Manufacturer	
		*Steel/Anchorage Tank	
Septic Tank Size (Gallons)		Soil Type or Rating	
*1250		*Sand & Gravel	
Number of Compartments		Type Soil Absorption System	
unknown		*Pit	
Dimensions/Size Soil Absorption System		Type/Quantity Backfill Material used for Soil Absorption System	
*6'		*sand & (10 yds) Gravel	
Adequacy Test Performed By (Attach Copy of Report)		Date Septic Tank Pumped (Attach Copy of Receipt)	
Denali North		10-27-93	
Minimum Ground Cover over Absorption Area		Minimum Ground Cover over Septic Tank	
Feet		Feet	
3.5		3.5	
Cleanout Pipes/Caps Installed on Septic Tank		Cleanout Pipes/Caps Installed on Absorption System	
☒ Yes ☐ No		☒ Yes ☐ No	
Separation Distance to		Water Supply Source on Lot	
Feet		Feet	
100+		100+	
Nearest Water Supply Source on Adjacent Lot		Nearest Body of Water	
Feet		Feet	
100+		100+	
Water Table/Bedrock		Lot Line	
Feet		Feet	
unknown		10+	
Comments/Recommendations			
*Indicates information is taken from ADEC files.			
I certify that the above information is correct:			
Signature		Typed/Printed Name	
		James W. Roland	
Date Rec'd Cert. No.		Test No.	
11-2-93		CE 6754	
NOTE: Must be signed by a professional engineer			

THIS TEST DOES NOT CONSTITUTE A GUARANTEE OF ANY KIND, EXPLICIT OR IMPLIED AS TO THE FUTURE PERFORMANCE OF THE WASTEWATER


SEAL
James W. Roland
Registered Professional Engineer

McKay Well Drilling

P.O. Box 557
Wasilla, Alaska 99687
Phone 376-5058

Well Owner RAIPh K. H. [unclear]
Well Location [unclear]

Date 10-17-91
Phone

Size Casing 6" Depth of Hole 50' Cased to 50' feet
Static Water Level 9.4' feet Well Test 12 Gal per Minute for 1 Hours
Date of Completion 10-17-91

WELL LOG

0-40' SAND & GRAVEL
40-45' SAND & GRAVEL w/ WATER
45-50' COARSE WATER GRAVEL

AUTHORIZATION TO DRILL

I hereby authorize McKay Drilling to proceed with the above work. Payment shall be made in the following manner:

Rig up Minimum 50' feet @ 21.00 per foot
Balance due upon completion.

\$ 1050.00
40.00
20.00
\$ 1110.00
DR 5005
WELL 5001

In the event it is necessary to institute legal proceedings to collect any amounts due on this contract, I agree to pay an additional sum of Ten percent (10%) of the original contract price as attorney's fees, plus costs, for legal proceedings.

Name

Date

Address

P.O. Box 870086
Wasilla, Alaska 99687

WELL FLOW TEST

LOCATION: S1 1/4, SW 1/4, NE 1/4, Sec. 16, T13N

JOB NUMBER: 72-192

DRILLER: McKay Well Drilling

DATE OF TEST: 10-2-62

DATE WELL COMPLETED: 10-17-81

TECHNICIAN: D. M. S.

WELL DEPTH: 50'

STATIC WATER LEVEL (top of casing): 27

[illegible]

RECOVERY

Average Flow Rate: 8.3 gpm

Comments:

ON THE DAY OF THIS TEST THIS WELL WAS CAPABLE OF PRODUCING 3 GPM FOR 4 HOURS. THIS DOES NOT CONSTITUTE AN EXPRESS WARRANTY OF THE WATER SUPPLY SYSTEM OR ITS APURTENANCES.

Reviewed by: JWK

Date: 11-2-93

DENALI NORTH
P.O. Box 870086
Wasilla, Alaska 99687

ADEQUACY TEST REPORT

LOCATION: SE 1/4, SW 1/4 NE 1/4 16 T15N R1E

JOB NUMBER: 92-192

INSPECTOR: J. P. ...

DATE: 10-26-13

TYPE OF DWELLING: HOUSE

SEPTIC TANK SIZE: 1250

NO. OF BEDROOMS: 4

TYPE OF S.A.S. : Seepage +

CALCULATE PEAK LOAD: $4 \times 150 = 600$

(MEASURED IN FEET.)

[illegible]

TEST RESULTS: Pass

REVIEWED BY: JWR

DATE: 11-2-93

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Audit Stamp No. 411013

I. GENERAL INFORMATION	
Legal Description of the Location	
SE¼ SW¼ NE¼ Sec 16, T18n, R1E, S.M., AK	
WO#93-192	
Applicant Name	Applicant is (Check one)
Michal Kairyf	☒ Bank ☐ Installer
Address (Street or P.O. Box)	Type of Residence
P.O. BOX 202212	☒ Single Family ☐ Multi-Family
City, State and Zip Code	Telephone
Anchorage, Alaska 99520	Public Accommodation:
	☐ Restaurant ☐ Lounge ☐ Other
Source Approval to:	
☐ Applicant ☒ Other (Give Name & Address) Denali North 190 E. Paulson Wasilla, Ak 99654	

II. WATER SUPPLY SYSTEM					
Source of Water and Containment (Check all that Apply)		Type of Water Supply System		Treatment of Water (Check all that Apply)	
☒ Well (Drilled or Driven) ☐ Surface (Identify)		☒ Private		☐ None ☐ Chlorination	
☐ Roof Catchment ☐ Other (Identify)		☐ Public (Serves more than one family)		☐ Filtration ☐ Mineral Removal	
Holding Tank				☒ Other <u>unknown</u>	
Well Data					
Is the Height of the Well Casing more than 12" above the Ground? ☒ Yes ☐ No					
Is a sanitary seal installed on the well casing? (capped w/comm'l well cap) ☐ Yes ☒ No					
Is drainage directed away from or around the casing within a radius of 10 feet of the well casing? ☒ Yes ☐ No					
Date Drilled	Depth of Well (Feet)	Static Water Level (Feet)	Yield (If Available)	Pump Rate (If Available)	
*10-17-81	*50'	27	*12 Gal/Min	8.3	Gal/Min
Separation Distances from the Well Casing to each of the Following Sources of Contamination:					
Septic Holding Tank on Lot		Sewer Lines on Lot		Absorption Area on Lot	
100+'		25+'		100+'	
Closest Septic Holding Tank on Adjacent Lot		Closest Sewer Lines on Adjacent Lot		Closest Edge of an Absorption Area on Adjacent Lot	
100+'		25+'		100+'	
If toxic materials are stored on the property, including fuel tanks, paints, lubricants and other petroleum-based materials, pesticides, fungicides or herbicides, indicate distance from contaminants to well casing.				None visible within 25' of well casing	
Water Sample Taken by Name				Sampler Is:	
Denali North				☐ Buyer ☒ Engineer	
Address				☐ Banker ☐ Government Official	
190 E. Paulson, Suite #4 Wasilla, Ak 99654					
Water Sample Results					
☒ Satisfactory Date 10-28-93 ☐ Unsatisfactory Date:					
Comments/Recommendations					
*Indicates information taken from ADEC files. Well wire is in conduit.					