



Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

July 15, 2011

Travis West
Land Development Solutions
PO Box 194
Columbus, MT 59019

RE: Fort Peck Rock Creek Cabin Sites,
Parcels 67, 68-79, and 201-218
McCone County
EQ # 11-1709

Dear Mr. West:

The deviation request to allow a smaller dose volume through the use of a check valve has been **approved** by the DEQ deviation review committee as defined in Section 9.3 Circular DEQ4. A copy of the deviation request committee review report has been enclosed along with this formal approval letter. A copy of this approval will be sent to both the local county health department and the owner for their records.

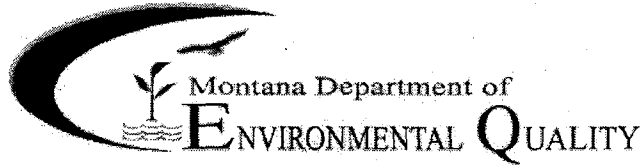
If you have any questions on the above, please feel free to call me at the Permitting and Compliance Division at (406) 444-5368.

Sincerely,

A handwritten signature in black ink that reads 'Barbara Kingery'. The signature is written in a cursive style and is positioned above a horizontal line.

Barbara Kingery, PE
Environmental Engineer
Subdivision Section
Public Water and Subdivision Bureau
e-mail – Bkingery@mt.gov

c: file
McCone County Sanitarian
Owner, US Army, John E. Daggett, PE, Operations Project Manager, PO Box 208, Fort Peck, MT
59223-0208



SUBDIVISION DEVIATION REQUEST

Project Name: Fort Peck Rock Creek Cabin Sites Parcels 67, 69 - 79, and 201-218, McCone County

EQ Number (if known): 11-1709

Engineer Name: Travis West

Circular: DEQ-1 Water Works DEQ-3 Small Water Systems
 DEQ-2 Wastewater Facilities DEQ-4 Subsurface Wastewater Treatment

STANDARD: DEQ4 Section 9.3

EXISTING STANDARD:

The dose volume of a pressure-distribution system must be equal to the drained volume of the discharge pipe (pipe leading from the septic tank or dose tank to the distribution lines) and manifold, plus a volume that should be 5-10 times the net volume of the distribution pipe.

PROPOSED STANDARD:

The dose volume of a pressure-distribution system must be equal to the drained volume of the manifold, plus a volume that should be 5-10 times the net volume of the distribution pipe where a check valve is proposed on the discharge pipe.

JUSTIFICATION: *attach additional information as necessary*

See Attached

In accordance with ARM 17.38.101 (e), I certify that strict adherence to the above standard is not necessary to protect public health and the quality of state waters.

No PE stamp required

APPROVED
Montana Department of
Environmental Quality
Permitting and Compliance Division
[Signature]
Reviewer 2/13/11
Date

(Signature of Professional Engineer)

(Date Signed)

Montana P.E. Number:

PE Stamp

R- Approve

For Department Use Only:

Review Engineer's Recommendation: The following lots include dose volumes smaller than stipulated in DEQ4: 67, 69, 70, 202, 206, 209, 211, 212, and 215.

Due to site constraints, the effluent from these lots will be pumped to separate designated drainfield lots. The distances involved make very long distribution lines and potentially very large dose volumes. To make pump and dose tank sizes reasonable, check valves have been added to the discharge pipes.

I would recommend approval with the condition that the check valves be shown on the approved plans.

B. Kingery

7/13/11

Attached are the revised drawings showing pump and check valve removal mechanism.



Montana Department of
ENVIRONMENTAL QUALITY

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July 15, 2011

Travis West
Land Development Solutions
PO Box 194
Columbus, MT 59019

RE: Fort Peck Rock Creek Cabin Sites,
Parcels 67, 68-79, and 201-218
McCone County
EQ # 11-1709

Dear Mr. West:

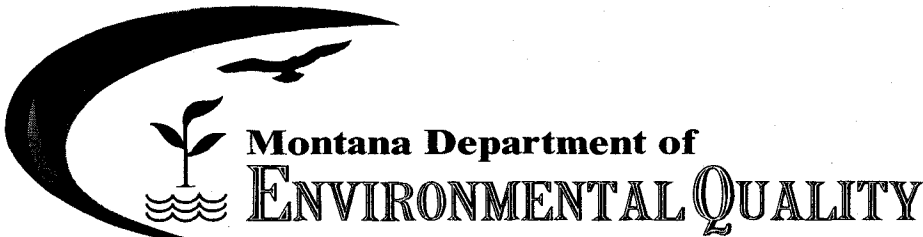
The waiver request to allow a 1 foot setback between a well and property line on Lot 78 along with the waiver request for a reduced number of test pits for this subdivision have both been **approved** by the DEQ waiver review committee as defined in the 1963 ARM Subdivision Rules and the current ARM 17.36.325 and 17.36.601. A copy of the waiver request committee review reports has been enclosed along with this formal approval letter. A copy of this approval will be sent to both the local county health department and the owner for their records.

If you have any questions on the above, please feel free to call me at the Permitting and Compliance Division at (406) 444-5368.

Sincerely,

Barbara Kingery, PE
Environmental Engineer
Subdivision Section
Public Water and Subdivision Bureau
e-mail – Bkingery@mt.gov

c: file
McCone County Sanitarian
Owner, US Army, John E. Daggett, PE, Operations Project Manager, PO Box 208, Fort Peck, MT
59223-0208



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Date: June 29, 2011
To: Waiver Review Committee
From: Barbara Kingery, Subdivision Program
Subject: Request for Waiver from ARM 17.36.325 (Number of Required Test Pits Waiver)
Project: Fort Peck Rock Creek Cabin Sites Parcels 67, 69 - 79, and 201-218, McCone County, EQ # 11-1709

Section 17.36.325

Change from:

At least one test hole must be dug for each individual drainfield... unless a waiver is approved by the department pursuant to ARM 17.36.601.

Before a waiver is requested and granted, the applicant must complete test holes for 25% of the proposed drainfield locations in the subdivision, demonstrate that the soils are consistent throughout the area and obtain the approval of the local reviewing authority...

Change to: Delete

Justification for change: See attached information

APPROVED
Montana Department of
Environmental Quality
Permitting and Compliance Division
[Signature] 7/7/11
Reviewer Date

Applicability – Limited to Fort Peck Rock Creek Cabin Sites Parcels 67, 69 - 79, and 201-218, McCone County, EQ # 11-1709

Review Engineer's Recommendation:

This 30 lot subdivision had approximately 25 test pits dug and soils information reported for the proposed replacement drainfields. There were not any individual test pits for facilities on **Lots D-67, D-73, 77, 210 and D-212**. Drainfields have been sized based on either the most conservative area soils or percolation tests. Below is a list of affected drainfields with the surrounding lot application rates:

Lot without test pit:	D-67	Proposed Applic. Rate:	0.3gpd/ft2	
Area test pit info:	D-69		0.3gpd/ft2	clay loam
	D-70		0.3gpd/ft2	fine sandy loam

R-Approve

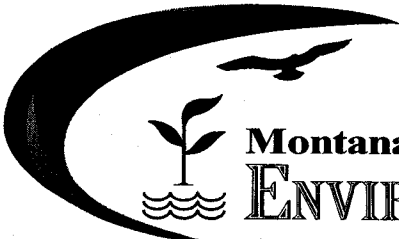
Lot without test pit: D-73	Proposed Applic. Rate:	0.3gpd/ft2	
Area test pit info: D-70		0.3gpd/ft2	fine sandy loam
D-75		0.3gpd/ft2	sandy clay loam
D-69		0.3gpd/ft2	clay loam
Lot without test pit: 77	Proposed Applic. Rate:	0.2gpd/ft2	
Area test pit info: 76		0.2 gpd/ft2*	sandy clay loam
D-69		0.3gpd/ft2	clay loam
Lot without test pit: 210	Proposed Applic. Rate:	0.4gpd/ft2	
Area test pit info: D-209		0.4 gpd/ft2	sandy clay loam
D-211		0.4 gpd/ft2	sandy clay loam
Lot without test pit: D-212	Proposed Applic. Rate:	0.4gpd/ft2	
Area test pit info: D-209		0.4 gpd/ft2	sandy clay loam
D-211		0.4 gpd/ft2	sandy clay loam

*application rate based on perc test info

I spoke on 6/23/11 with Brian Shoof, RS McCone County who indicated he approves this waiver.

I would recommend approval.

Committee's Final Disposition:



Montana Department of ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

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JK
SK

Date: June 24, 2011
To: Waiver Review Committee
From: Barbara Kingery, Subdivision Program
Subject: Request for waiver from 1963 Subdivision Rules Well Location

Section 1963 Subdivision Rules Section IV, B, 4

Change from: Wells shall be located at least ten feet from property lines

Change to: Wells shall be located at least 1 foot from property lines

Justification for change: See Attached

APPROVED
Montana Department of
Environmental Quality
Permitting and Compliance Division
[Signature] 7/1/11
Reviewer Date

Applicability – Limited to Fort Peck Rock Creek Cabin Sites Parcels 67, 69 - 79, and 201-218, McCone County, EQ # 11-1709

Review Engineer's Recommendation:

Parcel 78 was created in 1967. At that time the rules stated, "Wells shall be located at least ten feet from property lines....". See Attached. Since, any of the requirements of these rules can be waived and according to the consultant access to the well for maintenance should not be an issue, I would recommend approval.

Committee's Final Disposition:

J- THE WAIVER IS INCOMPLETE BUT I RECOMMEND APPROVAL OR DENIAL DEPENDING UPON FURTHER INFORMATION. SEE MY ATTACHED COMMENTS.