



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

December 2, 2013

Louie Arguello
Rapid City Engineering Project Administrator
300 Sixth Street
Rapid City, SD 57701

RE: On-site wastewater system for a residence located at 3618 Ridge Drive, Rapid City, South Dakota

Dear Mr. Arguello:

The South Dakota Department of Environment and Natural Resources is in receipt of your request to evaluate the profile hole and determine the type of on-site wastewater system that would be required for this location. The South Dakota Geological Survey's staff report has been reviewed based on South Dakota's "Individual and Small On-Site Wastewater Systems" regulations.

The report identifies broken limestone in the profile hole which is less than 4 feet from the surface of the ground. This limestone is classified as outcrop of the Minnekahta Limestone and is classified as bedrock.

Unless there is an area on the property that has at least 4 feet of undisturbed soil before bedrock is encountered, an evapotranspiration mound wastewater system is required by our regulations.

It is our understanding that there is a city sewer line located within 400 feet of this home, is located within the sanitary district, and the city wants to provide sewer service to this residence. In accordance with the South Dakota Administrative Rules of South Dakota (ARSD) 74:53:01:07 this residence must connect to the city's sanitary sewer system.

Please feel free to contact this office if you have any questions.

Sincerely,

Kent R. Woodmansey, P.E.
Engineering Manager
(605) 773-3351

cc: Joanne M. Noyes, DENR Geological Survey Program – Rapid City

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