



# North Dakota Geological Survey

Edward C. Murphy - State Geologist

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

[www.state.nd.us/ndgs](http://www.state.nd.us/ndgs)

February 20, 2018

Geri Schmaltz  
Administrative Officer  
N.D. Public Service Commission  
600 East Boulevard Ave, Dept. 408  
Bismarck, ND 58505-0480



Re: Hess North Dakota Pipelines, LLC – Keene Oil Gathering System Conversion – McKenzie, Co.  
Notice of Filing (PU-18-24) Review Comments

The North Dakota Geological Survey appreciates the notification and opportunity to review and provide comment on the proposed oil and gas energy development project. The Notice of Filings and Public Hearing submitted to our office on February 16, 2018 was reviewed on February 20, 2018. We dropped in the approximate route of the pipeline corridor on our landslide base maps and compared the proposed route to the locations of landslides that have been identified by detailed mapping work previously completed by our office.

From this comparison, it appears that the pipeline corridor between 30<sup>th</sup> & 32<sup>nd</sup> Street and between 35<sup>th</sup> & 36<sup>th</sup> Street (2.5 miles east of Keene) travel near previously mapped landslide areas in northwestern McKenzie Co. There should be careful examination of route selection and construction practices in these potentially unstable areas. Areas like these should be avoided whenever possible.

Downloadable Areas of Landslides maps and detailed LiDAR elevation mapping and data products for the 1:24,000 and 1:100,000 scale quadrangles that encompass the pipeline corridor can be found on our website at:

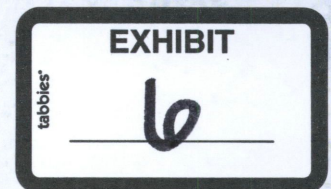
<https://www.dmr.nd.gov/ndgs/landslides/>

You may also contact our offices directly, with any additional questions or comments, at (701) 328-8000.

Sincerely,

North Dakota Geological Survey:

*Fred Anderson*  
Fred Anderson  
Geologist



38 PU-18-24 Filed: 4/10/2018 Pages: 1  
Exhibit 6 - Comments from North Dakota Geological Survey

Hess North Dakota Pipelines LLC

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