

PSC CASE NUMBER: PU-06-421

Kadmas  
Lee &  
Jackson  
Engineers Surveyors  
Planners

DAILY REPORT

Job Site: North Spread

Date: 9.24.2008

Location and Operations Observed: MP 4-5 Erosion Problems  
MP 6-7 HDD- Pembina Gorge  
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General Notes: Although we have enjoyed above normal  
temperatures this past week, we have received  
substantial rains over the project that has slowed  
progress in some areas.

My visits this week were in  
response to complaints issued by Jim Bellanus  
concerning the erosion of restored land in the  
NE 1/4 of Section 24, Twp. 163 N., Rge. 57 West (Fremont  
Township) in Cavalier County. This property, which contains  
the pipeline, traverses through a pasture & alfalfa field  
with land slopes varying from 5%-10%+. When this  
part of the project experienced a 2"-3" downpour of rain,

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on Monday night, there was a fair amount of soil erosion that took place that night. I have filed a report concerning the details I found, upon my investigation, and I am working with Ensco, and MR. Belanus to resolve this issue. This activity is located in Mi. 5 of the project, just west of Walthalla.

MP 6-7 HDD Pembina River.

I visited the site where the sub-contractor has centralized his operations for the 4000' + Horizontal Directional Bore for the pipe to be placed under the Pembina River  $\frac{1}{2}$  the State Tetrault Forest. I spoke to the foreman for sub-contractor "Environmental Crossings Inc". He said they are in their 3<sup>rd</sup> week of work. They have had problems with rock etc, which has slowed their progress. He did not have an estimated completion date yet but said they would keep at it. The bore is to be 50' to 54' below the bottom of the Pembina River bed. Bore site is wet but today is a good drying day. Hopefully site conditions will improve.  $\frac{1}{2}$  contractor can pick up the pace. He is doing his best under the circumstances.

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The following deviations from the finding of facts were found:

- None -

Signature: Dennis Markusen

Print Name: Dennis Markusen

