

**Hamre, John G.**

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**From:** Fahn, Patrick J.  
**Sent:** Friday, September 05, 2008 1:12 PM  
**To:** Hamre, John G.  
**Subject:** FW: PSC Case Number PU-06-421  
**Attachments:** North Spread Report 9-3-08.pdf

John - please docket in 06-421 and then forward to Commissioners, Legal, and PUD

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-----Original Message-----

From: Mark Anderson [mailto:[mark.anderson@kljeng.com](mailto:mark.anderson@kljeng.com)]  
Sent: Friday, September 05, 2008 11:40 AM  
To: Fahn, Patrick J.  
Subject: PSC Case Number PU-06-421

Here is Dennis' report for the north spread this week. Thank you Patrick.

Mark

Mark Anderson, PE  
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DAILY REPORT

1/4

Job Site: NORTH SPREAD

Date: 9-3-2008

Location and  
Operations Observed:

MP 1-3 Backfill/Tie - Ins complete  
MP 4 Backfill Tie - In / re-welding pipe  
MP 5 Backfill complete  
MP 32-33 ROAD BORE  
MP 33,35,36,38 No activity - incomplete pipeline  
MP 37 lowering In Pipe / PAD + Backfill  
MPP 34 Pump Station + Block cleanup  
MP 39-40 De-watering

General Notes: Some changes have occurred this past week  
on the North Spread of the Keystone Pipeline with  
regard to logistics.

The field offices for Universal Enasco (project managers)  
and ENSR < project environmental control specialists, have been  
relocated to the Emeralds site, along U.S. Hwy 2.

The R.O.W. (right-of-way) crew has completed their  
advance work, with the completion of clearing + grade  
cutting operations, and are now in the process of  
moving their equipment back to the North end of  
the North spread to begin cleanup operations on Mile  
Post 1. There has been considerable rain in the

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area this week. The area (MPO-3) on keystone right-of-way is very wet and muddy, and is not conducive to Topsoiling until the site has a chance to dry.

MP 4 - I observed the contractors backfilling a tie-in north of Jim Bellanus' with a small loader-dozer. The spoil material was wet and contained some small rock. I spoke to the contractor and cautioned him about using unsuitable (too wet) backfill material. The keystone manual (CMRP) addresses this situation on page 30 & 31 of Section 4.9 entitled "Backfill & Padding." (Contractor is to spray weeds, Thurs. 9.4.)

MP 5 - I observed the initial backfilling of the Pipeline trench south of Jim Belanus is complete up to Pembina County Road # 55. No settlement or subsidence noticed.

MP 32-33. I observed a Road Bore operation at this location.

MP 33, 35, 36, & 38 No significant activity in this segment. There are intermittent segments of pipe buried throughout. However no single mile is

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completely buried.

MP 37 - observed the lowering in of pipe on this mile. The contractor's crew appeared to be handling pipe with due care and back-fill operation was in operation with a padder, backhoes, & dozers. Trench compaction was being obtained primarily by the weight of the dozer.

MP 34 Work has begun on site preparation for the Edinburg Pump Station located in Mi. 34. Topsoil has been removed and stockpiled and crews were building approaches to the property.

MP 39-40 Due to heavy rains this past week, the pipe trench has filled with 3 to 4 feet of water. Crews were on site pumping water in advance of the lowering in crew.

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The following deviations from the finding of facts were found:

- None -

Signature: Dennis Markusen

Print Name: Dennis Markusen