

North Dakota Public Service Commission
TransCanada Keystone Pipeline, LP
Case No. PU-06-421
Late Filed Exhibits

September 19, 2007
Page 1 of 2

Late Filed Exhibit T-34

Data Request:

Miles of petroleum Pipelines in ND and historical spill information in barrels with flow capacity (if possible).

Response:

Keystone has consulted the Pipeline Hazardous Materials and Safety Administration (PHMAS) website (http://primis.phmsa.dot.gov/comm/reports/safety/ND_detail1.html) and the information provided below is entirely derived from the PHMSA website.

There are approximately 2,124 miles of hazardous liquid pipelines in North Dakota, approximately 1,024 miles of the total are crude oil pipelines representing approximately 23 percent of the total length of pipelines in the State.

PHMSA reports incident data for the 1986 to 2006 period. During this period, 28 pipeline incidents occurred on hazardous liquid pipelines, which include all types of liquid commodities.

14 incidents were related to crude oil facilities have occurred in the last 20 years. 8 occurred at pump stations, 1 occurred at a tank farm and 5 occurred on the pipeline. The incidents are listed below as reported.

For more information on this incident or any of the other incidents discussed above, please refer to the PHMAS website.

Keystone is also aware that the North Dakota Department of Health (ND DOH) maintains a spill database. Keystone has cross referenced this database with the assistance of the ND DOH and no additional incidents were noted.

Late Filed Exhibit T-34

Incident Summary 1986-2007 North Dakota Crude Oil Pipelines

Facility Type	Date	Pipe Vintage	Barrels Lost	Barrels Recovered	Cause As Reported to PHMSA
Pump Station	19990157	1989	90	85	OTHER
Pump Station	19980087	1983	175	170	OTHER
Pump Station	19960171	1983	70	60	OTHER
Pump Station	19950156	1993	100	85	FAILED PIPE
Pump Station	19950009	1985	560	550	MALFUNCTION RELIEF EQUIPMENT
Pump Station	19910001	1979	305	300	OTHER
Pump Station	19900103	1962	150	75	CORROSION
Pump Station	19890028	unknown	200	195	OTHER
Tank Farm	19970171	1962	50	45	CORROSION
Line Pipe	20050310	1954	350	320	THIRD PARTY EXCAVATION DAMAGE
Line Pipe	19960137	1964	680	650	CORROSION
Line Pipe	19940006	1965	150	140	OUTSIDE FORCE DAMAGE
Line Pipe	19890091	1965	31300	9000	FAILED PIPE
Line Pipe	19890063	1962	30	20	CORROSION

There have been 14 incidents in the last 20 years. Since the implementation of the DOT PHMSA integrity management rule for hazardous liquid pipelines in 2001, only 1 incident has occurred caused by Third Party Damage.

The table also shows a clear correlation between pipeline vintage and line pipe failure incidents. As noted in the Application, Keystone will be designed and constructed with modern materials and construction techniques. Keystone will comply with the integrity management rule for hazardous liquid pipelines during the operation of the pipeline.