

**DRAFT --- North Slope Pipelines
August 14, 2006**

Pipeline	ROW Lease	Diameter	Length	Agency	Last Date of Pig Run	Repairs	SPCO Corrosion Monitoring	Pipeline Volume	Operating	Production State Date
Badami Sales Oil	BP Trans (AK)	12"	25 miles to Endicott	SPCO US DOT US EPA ADEC	2003 – mag flux and geo pig 2006.	Line is piggable – smart pigs used. Internal corrosion-related anomalies, no sleeves. 3 dents	2006 - Found Satisfactory	1,200 bbls Transported 152,711 bbls in 2005 after line restarted in September 2005 after suspending operations in 2003	1998 MAOP 1415 psig. Currently operating between about 50 and 200 psi	August 24, 1998
Endicott	Endicott Pipeline Co.	16"	26 miles to PS 1	SPCO US DOT US EPA ADEC	2005 mag flux pig run	Mostly ext. corrosion-related anomalies. 5 dents, no sleeves	2006 - Sat	6,000 bbls Transported almost 7.5 million bbls/oil to PS 1 in 2005	1987 MAOP 1440 psig at 180°F	October 3, 1987
Milne Pt. Sales Oil	Milne Pt. Pipeline LLC	14"	10 miles tie into Kuparuk at Module 68	SPCO US DOT US EPA ADEC	2005 mag flux pig run.	Inter/ext corrosion-related anomalies. 8 sleeves placed	2006 - Sat	Designed to carry 65,000 bbls/day Transported over 16 million bbls in 2005	1984/5 MAOP 1350 psig up to 200°F	November 1985
Northstar Sales Oil	BP Trans (AK)	10"	17 miles to PS 1	SPCO US DOT US EPA ADEC	2003, geometry and mag flux. Metal loss & geometry ILI in 2006.	7 of top 10 defects were external w/peak depths of 13% or less. Does not use corrosion inhibitor.	2006 - Sat	Designed to carry 85,000 bbls/day Transported more than 22 million bbls in 2005	2000/01 MAOP 1480 psig at 100°F	November 1, 2001
Alpine Oil	ConocoPhillips Co.	14"	34.2 to Kuparuk Ext.	SPCO US DOT US EPA ADEC	2005 geo pig & mag flux ILI. Mo. pig Cleaning		2005 – Sat	100,000 – 140,000 transported 43,819.365 bbls in 2005	1998 MAOP 2064 psig	November 15, 2000
Kuparuk Oil	Kuparuk Trans Co., ConocoPhillips	24"	28 miles from KPL Ext and BP	SPCO US DOT US EPA	2003 last smart pig run.	Ext. corrosion has been id'd as problem at	Kuparuk line is piggable, SPCO will be doing	Combined Kuparuk and Kuparuk Ext.	1980 MAOP 1415 psig	January 1982

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			Milne Pt eastward to PS 1	ADEC	Piggable line. Cleaned monthly. 2005 - 6 of 12 planned cleaning pigs were run. Smart pigs for corrosion detection every 3 years 2006 next scheduled run.	weld packs where water can seep into insulation.	field surveillance August 23-25, 2006 to observe smart pigging operations on the Kuparuk Pipeline. Conoco also uses corrosion coupons to detect corrosive conditions in the pipe, and uses ultrasonic, radiography, and other techniques in portions of the line that are not piggable. The system does include a pig launcher and receiver, though these are not located within the AS 38.35 ROW.	330,000 bbls. Transported more than 125 million bbls in 2005		
Kuparuk Ext.	Kuparuk Trans Co., ConocoPhillips	Comb. 12 and 18"	9 miles connecting Kuparuk CPF-2 into CPF-1	SPCO US DOT US EPA ADEC	Not piggable. Tangential radiography used to detect ext. corrosion & ultrasonic & other inspection techniques.	Exterior corrosion has been id'd as problem at weld packs where water can seep into insulation.	2005	Combined Kuparuk and Kuparuk Ext. 330,000 bbls. Transported 77.1 million bbls in 2005	1983 MAOP 1415 psig	October 1984
Oliktok Natural Gas Liquids	Oliktok Pipeline Co.	16"	28 miles, from Prudhoe Bay Skid 50 to Kuparuk CPF-1	SPCO US DOT US EPA ADEC	Not piggable. Tangential radiography used to detect ext. corrosion.	Ext corr has been id'd as problem at weld packs where water can seep into insulation.	2005	Transported 6.2 million barrels of natural gas liquids in 2005		1981

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Lisburne	BP	16"	7 miles – 1 Segment	US DOT US EPA ADEC DNR, Div of O&G	2006	Pipeline ILI in June 2006 – BJ evaluating		18,000 bbls/day	Between 80 and 120 psi, less than 20% syns	
East Operating Area	BP	30" & 34"	8 miles – 2 segments	US DOT US EPA ADEC DNR, Div of O&G	2006	Two segments. ILI in July 2006 on 30" eastern most segment. 34" yet to be pigged. 16 anomalies id'd at 12 locations. 16 of 22 miles of pipeline to be replaced		190,000 bbls/day	Between 80 and 120 psi, less than 20% syns	
West Operating Area	BP	34"	8 miles – 3 segments.	US DOT US EPA ADEC DNR, Div of O&G	2006	3 Segments in this line. GC2-GC1 Shut down since March 2 nd . Remaining two segments may be shut down 8/11		190,000 bbls/day	Between 80 and 120 psi, less than 20% syns	

Jurisdictional agencies for the listed North Slope Pipelines:

US Department of Transportation
US Environmental Protection Agency
State of Alaska Department of Environmental Conservation
State Pipeline Coordinator's Office

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| ■ Alpine Oil Pipeline | ■ Kuparuk Pipeline Extension |
| ■ Alpine Diesel Pipeline | ■ Milne Point Oil Pipeline |
| ■ Alpine Utility Pipeline | ■ Milne Point Products Pipeline |
| ■ Badami Sales Oil Pipeline | ■ Northstar Oil Pipeline |
| ■ Badami Utility Pipeline | ■ Northstar Gas Pipeline |
| ■ Endicott Oil Pipeline | ■ Oliktok Pipeline |
| ■ Kuparuk Oil Pipeline | ■ Trans-Alaska Pipeline System |

BLM Administered pipelines on the North Slope – Trans-Alaska Pipeline System (TAPS)

