

Radiographic Weld Inspection
Information Request Round 3
ATCO-AUC-2016SEP29-001(b) Attachment

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Pipeline	Nominal Pipe Size (mm)	Location(s)	Number of Welds	MOP (kPa)	Inspected (Y/N)	Date of Field Inspection	Inspection Disposition	Type of Defects	Derate Pressure (kPa)	Date of Engineering Critical	Assessment Disposition	Repairs Complete (Y/N)	Date of Expected Completion
Northwest Edmonton Connector	508	SW 08-53-25 W4, 14-27-53-25 W4, 03-05-53-25 W4, 08-01-54-25 W4	190	3450	Y	Jun-16	Defect Found	P, S, IP, LF, IUC, EUC, H/L, WP	1960	Not Applicable	Not Applicable	Partial**	Dec-16
Shepard Transmission	508	SW 30-24-28 W4, 01-36-23-29 W4, 08-25-23-29 W4, SW 20-23-28 W4	600	5090	Y	Dec-15	Defects Found	P, S, IP, LF, IUC	4635***	Feb-16	Repairs Required	Y	Complete
East Calgary B Extension	610	SW 02-26-29 W4, NW 35-25-29 W4	180	6240	Y	Mar-16	Defects Found	P, S, IP, LF, IUC	4000	Apr-16	Repairs Required	N	Nov-16
Mainline South (North)	610	SE 27-23-01 W5	10	3020	N	Not Started	Not Started			Not Started	Not Started	N	Dec-16

* All in-service welds containing non code compliant defects on the NWECC will be repaired or replaced in 2016. Completing an ECA would have left insufficient time for any repairs to occur in 2016.

** Due to complex gas supply scenarios, repair work is being completed in phases

*** With the completion of the repairs the pressure has been returned to original normal operation pressure.

Symbol	Meaning
P	Porosity
S	Slag
IP	Incomplete Penetration
LF	Lack of Fusion
IUC	Internal Undercut
EUC	External Undercut
H/L	High - Low
WP	Wormhole Porosity