

Enbridge Responses to NTSB/PHMSA Control Centre IR No. 1

- 1.13 Reference:** Email of July 27, 2010 from David Barrett
- Preamble:** Initial request in preparation for control center portion of the investigation
- Request:** PHSMA understands there has been ongoing maintenance occurring on Line 6B. Please provide any Field Work Requests to the Control Center on Line 6B for 3 months prior to the accident.
- Response:** (See Files 6bFWRActive.pdf, 6bFWRArchived.pdf, 6BTools.pdf)

Enbridge Responses to NTSB/PHMSA Control Centre IR No. 1

- 1.15 Reference:** Email of July 27, 2010 from David Barrett
- Preamble:** Initial request in preparation for control center portion of the investigation
- Request:** PHMSA understands that an ILI tool was launched from Griffith sometime prior to the accident. Please describe launch schedule, procedures for passing tools by pump stations, and relevant operating information related to running of ILI tool.
- Response:** (See File 6BTools.pdf)



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com, Gary.Kosch@cnplexch.enbridge.com@IPL, CCO Shift Lead

cc:

Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>Rev 2

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jul 21, 2010
Request Number:	GT-318
Request Date:	Jul 21, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/24/2010 12:30 MST	Jul/27/2010 14:45 MST	74.25 hours

Approval Description:

Rev 2: corrected landing time at SK

Rev 1: Update due to scheduling change

Line 6B: Cleaning and Crack tool run - GT to SK

{1230 MST July 24 to 1245 MST July 27}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools are batch sensitive and must be launched in a batch suitable to the equipment onboard the crack tool which is also going even on 6B at Stockbridge: Target batch is OSH-701-1 scheduled to inj at Griffith at 12:12/24 MST.

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 2 hours or roughly 4000m³ before the line is shut down for 1 hour to let the pig crews flush, sample and re-calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

The tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

~~~~~  
**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~  
Below is an estimate of the launch and arrival times of the tools based on an average flow rate of **1650/1800 m³/h**.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6SK1 Estimated time	Crack Tool 6SK2 Estimated time
GT	1536.4 9	Name: Cel: Pager Other:	1230/24 (Head of OSH-701-0)	1530/24 (4500 m3 into OSH-701-0)
LA	1597.4 5	Name: Cel: Pager Other:	0115/25	0315/25
NL	1636.2 3	Name: Cel: Pager Other:	1630/25	1830/25
MD	1675.0 0	Name: Cel: Pager Other:	0745/26	0945/26
MR	1705.7 2	Name: Cel: Pager Other:	1945/26	2145/26
SK	1748.6 8	Name: Cel: Pager Other:	1245/27	1445/27

Jesse Clemmer
780-420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com, Gary.Kosch@cnplexch.enbridge.com@IPL, CCO Shift Lead

cc: Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>Rev 1

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jul 21, 2010
Request Number:	GT-318
Request Date:	Jul 21, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/24/2010 12:30 MST	Jul/27/2010 08:45 MST	68.25 hours

Approval Description:

Rev 1: Update due to scheduling change

Line 6B: Cleaning and Crack tool run - GT to SK
{1230 MST July 24 to 0645 MST July 27}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools are batch sensitive and must be launched in a batch suitable to the equipment onboard the crack tool which is also going even on 6B at Stockbridge: Target batch is OSH-701-1 scheduled to inj at Griffith at 12:12/24 MST.

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 2 hours or roughly 4000m3 before the line is shut down for 1 hour to let the pig crews flush, sample and re-calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

The tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

~~~~~  
**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~  
Below is an estimate of the launch and arrival times of the tools based on an average flow rate of **1650/1800 m³/h**.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6SK1 Estmiated time	Crack Tool 6SK2 Estmiated time
GT	1536.4 9	Name: Cel: Pager Other:	1230/24 (Head of OSH-701-0)	1530/24 (4500 m3 into OSH-701-0)
LA	1597.4 5	Name: Cel: Pager Other:	0115/25	0315/25
NL	1636.2 3	Name: Cel: Pager Other:	1630/25	1830/25
MD	1675.0 0	Name: Cel: Pager Other:	0745/26	0945/26
MR	1705.7 2	Name: Cel: Pager Other:	1945/26	2145/26
SK	1748.6 8	Name: Cel: Pager Other:	0645/27	0845/27

Jesse Clemmer
780-420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com, Gary.Kosch@cnplexch.enbridge.com@IPL, CCO Shift Lead

cc:
Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jul 21, 2010
Request Number:	GT-318
Request Date:	Jul 21, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/23/2010 22:45 MST	Jul/27/2010 08:45 MST	82.00 hours

Approval Description:

Line 6B: Cleaning and Crack tool run - GT to SK
{2245 MST July 23 to 0845 MST July 27}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools are batch sensitive and must be launched in a batch suitable to the equipment onboard the crack tool which is also going even on 6B at Stockbridge: Target batch is OSH-701-1 scheduled to inj at Griffith at 22:30/23 MST.

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 2 hours or roughly 4000m3 before the line is shut down for 1 hour to let the pig crews flush, sample and re-calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

The tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has

been confirmed that the final tool has passed the station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

~~~~~

**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~  
Below is an estimate of the launch and arrival times of the tools based on an average flow rate of 1900 m³/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Statio	MP	Responsible Person and Contact	Cleaning Tool	Crack Tool 6SK2
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n		Information	6SK1	Estmiated time
GT	1536.4 9	Name: Cel: Pager Other:	2245/23 (Head of OSH-701-0)	0145/24 (4500 m3 into OSH-701-0)
LA	1597.4 5	Name: Cel: Pager Other:	1215/24	1415/24
NL	1636.2 3	Name: Cel: Pager Other:	0245/25	0445/25
MD	1675.0 0	Name: Cel: Pager Other:	1715/25	1915/25
MR	1705.7 2	Name: Cel: Pager Other:	1445/26	1645/26
SK	1748.6 8	Name: Cel: Pager Other:	0645/27	0845/27

Note: There is a S/D in this section from 0200/26 to 1200/26 MST
Info is up to date as of 1030/21 MST

Jesse Clemmer
780-420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com

cc: Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>Rev 1

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jul 15, 2010
Request Number:	GT-316
Request Date:	Jul 15, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/17/2010 16:15 MST	Jul/20/2010 18:00 MST	73.75 hours

Approval Description:

Rev 1: This run has been postponed until approximately July 23. New FWR will be issued closer to the date

Line 6B: Cleaning and Crack tool run - GT to SK
{1615 MST July 17 to 1800 MST July 20}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools must be launched in a batch suitable to the equipment onboard the crack tool and also going even on 6B at Stockbridge: Target batch is OSH-701-1

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 3 hours or 5500m3 before the line is shut down for 2 hours to let the pig crews flush, sample and calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

Cleaning tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

Tool trackers shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

Field personnel responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

The line operator is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

Below is an estimate of the launch and arrival times of the tools based on a flow rate of 1900 m³/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6SK1	Crack Tool 6SK2
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			Estmiated time	Estmiated time
GT	1536.4 9	Name: Cel: Pager Other:	1600/17	2100/17
LA	1597.4 5	Name: Cel: Pager Other:	0630/18	0930/18
NL	1636.2 3	Name: Cel: Pager Other:	2100/18	0001/19
MD	1675.0 0	Name: Cel: Pager Other:	1130/19	1430/19
MR	1705.7 2	Name: Cel: Pager Other:	2300/19	0200/20
SK	1748.6 8	Name: Cel: Pager Other:	1500/20	1800/20

Jesse Clemmer
780-420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com

cc: Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jul 15, 2010
Request Number:	GT-316
Request Date:	Jul 15, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/17/2010 16:15 MST	Jul/20/2010 18:00 MST	73.75 hours

Approval Description:

Line 6B: Cleaning and Crack tool run - GT to SK
{1615 MST July 17 to 1800 MST July 20}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools must be launched in a batch suitable to the equipment onboard the crack tool and also going even on 6B at Stockbridge: Target batch is OSH-701-1

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 3 hours or 5500m3 before the line is shut down for 2 hours to let the pig crews flush, sample and calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

Cleaning tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

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Responsibilities
~~~~~

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Tool Tracker 1:

- Cel:
- Pager:
- Other:

Tool Tracker 2:

- Cel:
- Pager:
- Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

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~~~~~  
Below is an estimate of the launch and arrival times of the tools based on a flow rate of 1900 m3/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6SK1 Estimated time	Crack Tool 6SK2 Estimated time

GT	1536.4 9	Name: Cel: Pager Other:	1600/17	2100/17
LA	1597.4 5	Name: Cel: Pager Other:	0630/18	0930/18
NL	1636.2 3	Name: Cel: Pager Other:	2100/18	0001/19
MD	1675.0 0	Name: Cel: Pager Other:	1130/19	1430/19
MR	1705.7 2	Name: Cel: Pager Other:	2300/19	0200/20
SK	1748.6 8	Name: Cel: Pager Other:	1500/20	1800/20

Jesse Clemmer
780-420-5139



To: Kim Campbell <kim.campbell@enbridge.com>
cc: Richard Folkema <richard.folkema@enbridge.com>, CCO Field Work <CCO.Field.Work@enbridge.com>, CCO Lines 4 - 14 - 6 - 17 - 3 <CCO.Lines-4-14-6-17-3@enbridge.com>, CCO Shift Lead <CCO.Shift.Lead@enbridge.com>, Frank Roberts <Frank.Roberts@enbridge.com>, Marc Curry <Marc.Curry@enbridge.com>, Griffith PLM Crew <GriffithPLMCrew@enbridge.com>, Griffith PLM <GriffithPLM@enbridge.com>, Griffith Technicians <GriffithTechnicians@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Brian Buck <Brian.Buck@enbridge.com>, Tom Sims <Tom.Sims@enbridge.com>, Bay City PLM Crew <BayCityPLMCrew@enbridge.com>, Bay City PLM <BayCityPLM@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Marshall PLM <MarshallPLM@enbridge.com>, Marshall PLM Crew <MarshallPLMCrew@enbridge.com>, Rusty Smith <Rusty.Smith@enbridge.com>
Subject: RE: Line 6B: Cleaning tool run - GT to SK <6> 📎

6-SK-1 landed at 19:57 MST

6-SK-2 landed at 21:12 MST

6-SK-3 landed at 00:41 MST

6-SK-4 landed at 01:58 MST

thanks, Stephanie



To: Kim Campbell <kim.campbell@enbridge.com>
cc: Richard Folkema <richard.folkema@enbridge.com>, CCO Field Work <CCO.Field.Work@enbridge.com>, CCO Lines 4 - 14 - 6 - 17 - 3 <CCO.Lines-4-14-6-17-3@enbridge.com>, CCO Shift Lead <CCO.Shift.Lead@enbridge.com>, Frank Roberts <Frank.Roberts@enbridge.com>, Marc Curry <Marc.Curry@enbridge.com>, Griffith PLM Crew <GriffithPLMCrew@enbridge.com>, Griffith PLM <GriffithPLM@enbridge.com>, Griffith Technicians <GriffithTechnicians@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Brian Buck <Brian.Buck@enbridge.com>, Tom Sims <Tom.Sims@enbridge.com>, Bay City PLM Crew <BayCityPLMCrew@enbridge.com>, Bay City PLM <BayCityPLM@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Marshall PLM <MarshallPLM@enbridge.com>, Marshall PLM Crew <MarshallPLMCrew@enbridge.com>, Rusty Smith <Rusty.Smith@enbridge.com>
Subject: RE: Line 6B: Cleaning tool run - GT to SK <6> 📎

6-SK-1 landed at 19:57 MST

6-SK-2 landed at 21:12 MST

6-SK-3 landed at 00:41 MST

6-SK-4 landed at 01:58 MST

thanks, Stephanie



To: Richard Folkema <richard.folkema@enbridge.com>, CCO Field Work <CCO.Field.Work@enbridge.com>, CCO Lines 4 - 14 - 6 - 17 - 3 <CCO.Lines-4-14-6-17-3@enbridge.com>, CCO Shift Lead <CCO.Shift.Lead@enbridge.com>, Frank Roberts <Frank.Roberts@enbridge.com>, Marc Curry <Marc.Curry@enbridge.com>, Griffith PLM Crew <GriffithPLMCrew@enbridge.com>, Griffith PLM <GriffithPLM@enbridge.com>, Griffith Technicians <GriffithTechnicians@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Brian Buck <Brian.Buck@enbridge.com>, Tom Sims <Tom.Sims@enbridge.com>, Bay City PLM Crew <BayCityPLMCrew@enbridge.com>, Bay City PLM <BayCityPLM@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Marshall PLM <MarshallPLM@enbridge.com>, Marshall PLM Crew <MarshallPLMCrew@enbridge.com>, Rusty Smith <Rusty.Smith@enbridge.com>

cc: 'Don Demich' <pwicons@gmail.com>

Subject: RE: Line 6B: Cleaning tool run - GT to SK <6>

It appears that Richard had some challenges with his email and that it was not received by nearly as many stakeholders as intended. I am resending this on his behalf due to the early morning launch. All necessary stakeholders in GT are well aware of the schedule. Please see below and my apologies if you are receiving this a second time.

R. Kim Campbell, C.E.T. | Integrity Programs | Pipeline Integrity | Enbridge Pipelines Inc.

Office: 780-420-8294, Fax: 780-420-5234, Mobile: 780-237-4753

From: Richard.Folkema@enbridge.com [mailto:Richard.Folkema@enbridge.com]

Sent: Thursday, July 08, 2010 6:38 PM

To: Richard_Folkema/CNPL/Enbridge%IPL; CCO_Field_Work%IPL; Kim_Campbell/CNPL/Enbridge%IPL; CCO_Lines_4/14/6/17/3%IPL; CCO_Shift_Lead%IPL; Frank_Roberts/LPL%IPL; Marc_A_Curry/LPL%IPL; Griffith_PLM_Crew%IPL; Griffith_PLM/LPL%IPL; Griffith_Technicians%IPL; Bay_City_Technicians%IPL; Brian_Buck/US/Enbridge%IPL; Tom_D_Sims/LPL%IPL; Bay_City_PLM_Crew%IPL; Bay_City_PLM/LPL%IPL; Marc Curry; Griffith_PLM_Crew; Griffith_PLM/LPL%LPL; Griffith_Technicians; Bay_City_Technicians; Brian Buck; Tom Sims; Bay_City_PLM_Crew; Bay_City_PLM/LPL%LPL

Subject: Line 6B: Cleaning tool run - GT to SK <6>

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jul 08, 2010

Request Number:GT-315

Request Date: Jul 08, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Approved Duration
6B	1890	Jul/09/2010 04:30 MST	Jul/12/2010 18:30 MST	86.00 hours

Approval Description:

Line 6B: Cleaning tool run - GT to SK
{0430 MST July 9 to 1830 MST July 12}

Proceed with plans to run 4 cleaning tools on line 6B from Griffith (GT) to Stockbridge (SK).

The 4 tools must be launched in a batch going even on 6B at Stockbridge: Target batch is CL-540

The sequence for the work is to launch first cleaning tool (6SK1) 500 m3 into the head of batch CL-540. Subsequent Cleaning Tools will be launched at a 2400 m3 spacing (6SK2,6SK3, 6SK4) in the remainder of CL-540-0

Cleaning tools are not rate sensitive, but this work will have some impact on rate due to the duration of the required station bypass with multiple tools.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

Due to the number and proximity of the tools it is expected a station will remain bypassed until all tools have passed a given station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Upon receipt of tools 6SK1,6SK1, 6SK3 at Trap in Stockbridge, a 1 hour shut down will be required prior to the arrival of 6SK4.

This is required as only 3 tools fit in the SK trap at one time: exact timing of the shutdown will be confirmed with Field Staff and communicated later in the course of this run.

Responsibilities
~~~~~

**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

Tool Tracker 3:

Cel:

Pager:

Other:

Tool Tracker 4:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~  
Additional power will not be made available for the station bypasses on this run, so for any power issues during the run, please contact Paul Bagnall at 780-420-8527.

Below is an estimate of the launch and arrival times of the tools based on a flow rate of 1600 m³/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Tool 6SK1 Estimated time	Tool 6SK2 Estimated time	Tool 6SK3 Estimated time	Tool 6SK4 Estimated time
GT	1536.4 9	Name: Cel: Pager Other:	0430/09	0600/09	0730/09	0900/09
LA	1597.4 5	Name: Cel:	1930/09	2100/09	2230/09	0000/10

		Pager Other:				
NL	1636.2 3	Name: Cel: Pager Other:	1230/10	1400/10	1530/10	1700/10
MD	1675.0 0	Name: Cel: Pager Other:	0530/11	0700/11	0830/11	1000/11
MR	1705.7 2	Name: Cel: Pager Other:	1900/11	2030/11	2200/11	2330/11
SK	1748.6 8	Name: Cel: Pager Other:	1400/12	1530/12	1700/12	1830/12

Rich Folkema
780-420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3, CCO Shift Lead, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Marc.Curry@exchange.uspl.enbridge.com@LPL, Griffith PLM Crew, Griffith PLM/LPL@LPL, Griffith Technicians, Bay City Technicians, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Bay City PLM Crew, Bay City PLM/LPL@LPL

cc:

Subject: Line 6B: Cleaning tool run - GT to SK <6>

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jul 08, 2010

Request Number: GT-315

Request Date: Jul 08, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jul/09/2010 04:30 MST	Jul/12/2010 18:30 MST	86.00 hours

Approval Description:

Line 6B: Cleaning tool run - GT to SK
{0430 MST July 9 to 1830 MST July 12}

Proceed with plans to run 4 cleaning tools on line 6B from Griffith (GT) to Stockbridge (SK).
The 4 tools must be launched in a batch going even on 6B at Stockbridge: Target batch is CL-540

The sequence for the work is to launch first cleaning tool (6SK1) 500 m3 into the head of batch CL-540. Subsequent Cleaning Tools will be launched at a 2400 m3 spacing (6SK2,6SK3, 6SK4) in the remainder of CL-540-0

Cleaning tools are not rate sensitive, but this work will have some impact on rate due to the duration of the required station bypass with multiple tools.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

Due to the number and proximity of the tools it is expected a station will remain bypassed until all tools have passed a given station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Upon receipt of tools 6SK1,6SK1, 6SK3 at Trap in Stockbridge, a 1 hour shut down will be required prior to the arrival of 6SK4.

This is required as only 3 tools fit in the SK trap at one time: exact timing of the shutdown will be confirmed with Field Staff and communicated later in the course of this run.

Responsibilities
~~~~~

**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

Tool Tracker 3:

Cel:

Pager:

Other:

Tool Tracker 4:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the

line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~

Additional power will not be made available for the station bypasses on this run, so for any power issues during the run, please contact Paul Bagnall at 780-420-8527.

Below is an estimate of the launch and arrival times of the tools based on a flow rate of 1600 m3/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Tool 6SK1 Estmiated time	Tool 6SK2 Estmiated time	Tool 6SK3 Estmiated time	Tool 6SK4 Estmiated time
GT	1536.4 9	Name: Cel: Pager Other:	0430/09	0600/09	0730/09	0900/09
LA	1597.4 5	Name: Cel: Pager Other:	1930/09	2100/09	2230/09	0000/10
NL	1636.2 3	Name: Cel: Pager Other:	1230/10	1400/10	1530/10	1700/10
MD	1675.0 0	Name: Cel: Pager Other:	0530/11	0700/11	0830/11	1000/11
MR	1705.7 2	Name:	1900/11	2030/11	2200/11	2330/11

		Cel: Pager Other:				
SK	1748.6 8	Name: Cel: Pager Other:	1400/12	1530/12	1700/12	1830/12

Rich Folkema
780-420-8285



To: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com@LPL, Steve.Booth@exchange.uspl.enbridge.com@LPL, Garry.Thompson@exchange.uspl.enbridge.com@LPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com@IPL, Christine.Neff@cnplexch.enbridge.com@IPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Marc.Curry@exchange.uspl.enbridge.com@LPL, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Yvan.Hubert@cnplexch.enbridge.com@IPL, Oscar.Khazam@cnplexch.enbridge.com@IPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B Cleaning and Caliper Tool Run - SK to RW <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	May 25, 2010
Request Number:	SK-88
Request Date:	May 25, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	May/26/2010 13:00 MST	May/29/2010 08:15 MST	67.25 hours

Approval Description:

Line 6B Cleaning and Caliper Tool Run - SK to RW
{1300 MST May 26 to 0815 MST May 29}

Proceed with plans to run a cleaning tool with a caliper tool and chemically treat the 30" line 6B from SK to RW. This run will not impact rate: There are no speed limitations on the tools.

The sequence for the work is to launch a cleaning pig (6RW1) from SK followed by a caliper tool (6RW2) 3.5 hours later. Chemical inhibitor will be injected at HW between pigs. For more information about the chemical inhibitor injections, please contact Kim Campbell (780 420 8294)

In order to ensure that the tool travels to the Sarnia terminal, it must be launched into a batch destined to land into SA tankage.

The Target batch for this run is WCS-943-0. Schedulers and Operational Schedulers are to

ensure that this batch retains its delivery location.

Field personnel must launch the cleaning tool 6RW1 approximately a half hour into the batch, and launch tool 6RW2 4 hours after that.

Updated injection times of the batch can be obtained from the Edmonton Control Centre.

Stations are to be bypassed 0.5 hours prior to the arrival of a tool, and taken off bypass once it has been confirmed that the tool has passed the station. When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

~~~~~  
**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times). **The Line 6 operator is also requested to contact Sarnia field personnel 4 hours prior to the tools arriving at Sarnia, as main line valve E1741.90-6-V-2 needs to be opened in order to facilitate the landing of the tools in the trap.**

~~~~~  
 Below is and estimate of the launch and arrival times of the pig based on a varying rate of 0-1850 m3/h.

***Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.**

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6RW1		Caliper Tool 6RW2	
			Estimated Time MST	Actual Time MST	Estimated Time MST	Actual Time MST
SK	1748.68	Name: Cel: Pager: Other:	1300/26	.	1630/26	.
HW	1776.72	Name: Cel: Pager: Other:	1230/27	.	1545/27	.
RW	1856.85	Name: Cel: Pager: Other:	0445/29	.	0815/29	.

Currently on schedule (as of 05/25/10) there is approximately 22 hours of shutdown - expected from SK-SA:

2345/26 to 1040/27 for SK Del

0348/28 to 0930/28 for SK Del

1510/28 to 2030/28 for SK Del

Please contact me if you have any questions.

Jesse Clemmer
 780 420 5139



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com@LPL, Steve.Booth@exchange.uspl.enbridge.com@LPL, Garry.Thompson@exchange.uspl.enbridge.com@LPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com@IPL, Christine.Neff@cnplexch.enbridge.com@IPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Marc.Curry@exchange.uspl.enbridge.com@LPL, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Yvan.Hubert@cnplexch.enbridge.com@IPL, Oscar.Khazam@cnplexch.enbridge.com@IPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL
Subject: Re: Line 6B Cleaning and Caliper Tool Run - SK to RW <6> 

6-SA-2 launched at 19:38 mst

thanks, Stephanie Smith



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com@LPL, Steve.Booth@exchange.uspl.enbridge.com@LPL, Garry.Thompson@exchange.uspl.enbridge.com@LPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com@IPL, Christine.Neff@cnplexch.enbridge.com@IPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Marc.Curry@exchange.uspl.enbridge.com@LPL, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Yvan.Hubert@cnplexch.enbridge.com@IPL, Oscar.Khazam@cnplexch.enbridge.com@IPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL
Subject: Re: Line 6B Cleaning and Caliper Tool Run - SK to RW <6> 

6-SA-2 launched at 19:38 mst

thanks, Stephanie Smith



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com@LPL, Steve.Booth@exchange.uspl.enbridge.com@LPL, Garry.Thompson@exchange.uspl.enbridge.com@LPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com@IPL, Christine.Neff@cnplexch.enbridge.com@IPL, Marc.Curry@exchange.uspl.enbridge.com@LPL, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Yvan.Hubert@cnplexch.enbridge.com@IPL, Oscar.Khazam@cnplexch.enbridge.com@IPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL
Subject: Re: Line 6B Cleaning and Caliper Tool Run - SK to RW <6> 📎

6SA1 launched @ 16:10 MST, Wednesday, May 26th.



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com, Brian.Buck@exchange.uspl.enbridge.com, Rusty.Smith@exchange.uspl.enbridge.com, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com, Steve.Booth@exchange.uspl.enbridge.com, Garry.Thompson@exchange.uspl.enbridge.com, Thomas.Steadman@cnplexch.enbridge.com, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com, Christine.Neff@cnplexch.enbridge.com, Tom.Sims@exchange.uspl.enbridge.com, Marc.Curry@exchange.uspl.enbridge.com, Frank.Roberts@exchange.uspl.enbridge.com, Yvan.Hubert@cnplexch.enbridge.com, Oscar.Khazam@cnplexch.enbridge.com, Jesse.Clemmer@cnplexch.enbridge.com
Subject: Re: Line 6B Cleaning and Caliper Tool Run - GT to RW<6> 📎

6SA2 was in the trap at 09:05MST May 5/2010

thanks

Greg



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com, Brian.Buck@exchange.uspl.enbridge.com, Rusty.Smith@exchange.uspl.enbridge.com, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com, Steve.Booth@exchange.uspl.enbridge.com, Garry.Thompson@exchange.uspl.enbridge.com, Thomas.Steadman@cnplexch.enbridge.com, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com, Christine.Neff@cnplexch.enbridge.com, Tom.Sims@exchange.uspl.enbridge.com, Marc.Curry@exchange.uspl.enbridge.com, Frank.Roberts@exchange.uspl.enbridge.com, Yvan.Hubert@cnplexch.enbridge.com, Oscar.Khazam@cnplexch.enbridge.com, Jesse.Clemmer@cnplexch.enbridge.com
Subject: Re: Line 6B Cleaning and Caliper Tool Run - GT to RW<6> 📎

6SA2 was in the trap at 09:05MST May 5/2010

thanks

Greg



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com

cc: Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>Rev 1

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jul 15, 2010
Request Number:	GT-316
Request Date:	Jul 15, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/17/2010 16:15 MST	Jul/20/2010 18:00 MST	73.75 hours

Approval Description:

Rev 1: This run has been postponed until approximately July 23. New FWR will be issued closer to the date

Line 6B: Cleaning and Crack tool run - GT to SK
{1615 MST July 17 to 1800 MST July 20}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools must be launched in a batch suitable to the equipment onboard the crack tool and also going even on 6B at Stockbridge: Target batch is OSH-701-1

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 3 hours or 5500m3 before the line is shut down for 2 hours to let the pig crews flush, sample and calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

Cleaning tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

Tool trackers shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

Field personnel responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

The line operator is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

Below is an estimate of the launch and arrival times of the tools based on a flow rate of 1900 m³/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6SK1	Crack Tool 6SK2
---------	----	--	-----------------------	--------------------

			Estmiated time	Estmiated time
GT	1536.4 9	Name: Cel: Pager Other:	1600/17	2100/17
LA	1597.4 5	Name: Cel: Pager Other:	0630/18	0930/18
NL	1636.2 3	Name: Cel: Pager Other:	2100/18	0001/19
MD	1675.0 0	Name: Cel: Pager Other:	1130/19	1430/19
MR	1705.7 2	Name: Cel: Pager Other:	2300/19	0200/20
SK	1748.6 8	Name: Cel: Pager Other:	1500/20	1800/20

Jesse Clemmer
780-420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com

cc: Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jul 15, 2010
Request Number:	GT-316
Request Date:	Jul 15, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/17/2010 16:15 MST	Jul/20/2010 18:00 MST	73.75 hours

Approval Description:

Line 6B: Cleaning and Crack tool run - GT to SK
{1615 MST July 17 to 1800 MST July 20}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools must be launched in a batch suitable to the equipment onboard the crack tool and also going even on 6B at Stockbridge: Target batch is OSH-701-1

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 3 hours or 5500m3 before the line is shut down for 2 hours to let the pig crews flush, sample and calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

Cleaning tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities
~~~~~

**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

- Cel:
- Pager:
- Other:

Tool Tracker 2:

- Cel:
- Pager:
- Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~  
Below is an estimate of the launch and arrival times of the tools based on a flow rate of 1900 m3/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6SK1 Estimated time	Crack Tool 6SK2 Estimated time
---------	----	--	--------------------------------------	-----------------------------------

GT	1536.4 9	Name: Cel: Pager Other:	1600/17	2100/17
LA	1597.4 5	Name: Cel: Pager Other:	0630/18	0930/18
NL	1636.2 3	Name: Cel: Pager Other:	2100/18	0001/19
MD	1675.0 0	Name: Cel: Pager Other:	1130/19	1430/19
MR	1705.7 2	Name: Cel: Pager Other:	2300/19	0200/20
SK	1748.6 8	Name: Cel: Pager Other:	1500/20	1800/20

Jesse Clemmer
780-420-5139



To: Kim Campbell <kim.campbell@enbridge.com>
cc: Richard Folkema <richard.folkema@enbridge.com>, CCO Field Work <CCO.Field.Work@enbridge.com>, CCO Lines 4 - 14 - 6 - 17 - 3 <CCO.Lines-4-14-6-17-3@enbridge.com>, CCO Shift Lead <CCO.Shift.Lead@enbridge.com>, Frank Roberts <Frank.Roberts@enbridge.com>, Marc Curry <Marc.Curry@enbridge.com>, Griffith PLM Crew <GriffithPLMCrew@enbridge.com>, Griffith PLM <GriffithPLM@enbridge.com>, Griffith Technicians <GriffithTechnicians@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Brian Buck <Brian.Buck@enbridge.com>, Tom Sims <Tom.Sims@enbridge.com>, Bay City PLM Crew <BayCityPLMCrew@enbridge.com>, Bay City PLM <BayCityPLM@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Marshall PLM <MarshallPLM@enbridge.com>, Marshall PLM Crew <MarshallPLMCrew@enbridge.com>, Rusty Smith <Rusty.Smith@enbridge.com>
Subject: RE: Line 6B: Cleaning tool run - GT to SK <6> 📎

6-SK-1 landed at 19:57 MST

6-SK-2 landed at 21:12 MST

6-SK-3 landed at 00:41 MST

6-SK-4 landed at 01:58 MST

thanks, Stephanie



To: Kim Campbell <kim.campbell@enbridge.com>
cc: Richard Folkema <richard.folkema@enbridge.com>, CCO Field Work <CCO.Field.Work@enbridge.com>, CCO Lines 4 - 14 - 6 - 17 - 3 <CCO.Lines-4-14-6-17-3@enbridge.com>, CCO Shift Lead <CCO.Shift.Lead@enbridge.com>, Frank Roberts <Frank.Roberts@enbridge.com>, Marc Curry <Marc.Curry@enbridge.com>, Griffith PLM Crew <GriffithPLMCrew@enbridge.com>, Griffith PLM <GriffithPLM@enbridge.com>, Griffith Technicians <GriffithTechnicians@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Brian Buck <Brian.Buck@enbridge.com>, Tom Sims <Tom.Sims@enbridge.com>, Bay City PLM Crew <BayCityPLMCrew@enbridge.com>, Bay City PLM <BayCityPLM@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Marshall PLM <MarshallPLM@enbridge.com>, Marshall PLM Crew <MarshallPLMCrew@enbridge.com>, Rusty Smith <Rusty.Smith@enbridge.com>
Subject: RE: Line 6B: Cleaning tool run - GT to SK <6> 📎

6-SK-1 landed at 19:57 MST

6-SK-2 landed at 21:12 MST

6-SK-3 landed at 00:41 MST

6-SK-4 landed at 01:58 MST

thanks, Stephanie



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Shift Lead, CCO Lines 4/14/6/17/3

cc:
Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 663.770 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jul 10, 2010
Request Number:	SK-99
Request Date:	Jul 10, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jul/10/2010 07:00 MST	Jul/10/2010 14:00 MST	7.00 hours
6B	1890	Jul/11/2010 04:00 MST	Jul/11/2010 14:00 MST	10.00 hours
6B	1890	Jul/12/2010 04:00 MST	Jul/12/2010 14:00 MST	10.00 hours
6B	1890	Jul/13/2010 04:00 MST	Jul/13/2010 14:00 MST	10.00 hours
6B	1890	Jul/14/2010 04:00 MST	Jul/14/2010 14:00 MST	10.00 hours
6B	1890	Jul/15/2010 04:00 MST	Jul/15/2010 14:00 MST	10.00 hours
6B	1890	Jul/16/2010 04:00 MST	Jul/16/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 663.770

{0400 MST July 10 to 1400 MST July 10
0400 MST July 11 to 1400 MST July 10
0400 MST July 12 to 1400 MST July 10
0400 MST July 13 to 1400 MST July 13
0400 MST July 14 to 1400 MST July 14
0400 MST July 15 to 1400 MST July 15
0400 MST July 16 to 1400 MST July 16}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 663.770
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=50% MOP). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **329 psi** discharge at SK. **150 psi** suction at HW. DPRF = **1**
Shutdown: **250 psi** discharge at SK, **250 psi** suction at HW

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Rich Folkema
780-420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54 Rev 4<6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 25, 2010

Request Number: HW-44

Request Date: Jun 25, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1880	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1880	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours
6B	1880	Jul/01/2010 04:00 MST	Jul/01/2010 14:00 MST	10.00 hours
6B	1880	Jul/02/2010 04:00 MST	Jul/02/2010 14:00 MST	10.00 hours
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010	Jul/10/2010	10.00

		04:00 MST	14:00 MST	hours
6B	1880	Jul/11/2010 04:00 MST	Jul/11/2010 14:00 MST	10.00 hours
6B	1880	Jul/12/2010 04:00 MST	Jul/12/2010 14:00 MST	10.00 hours
6B	1880	Jul/13/2010 04:00 MST	Jul/13/2010 14:00 MST	10.00 hours
6B	1880	Jul/14/2010 04:00 MST	Jul/14/2010 14:00 MST	10.00 hours
6B	1880	Jul/15/2010 04:00 MST	Jul/15/2010 14:00 MST	10.00 hours

Approval Description:

Rev 4 - Extend Dates

Rev 3 - Added MP 746.3848

Rev 2 - Extend dates

Rev 1 - Added MP 690.5771

Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54

0400 MST June 28 to 1400 MST June 28

0400 MST June 29 to 1400 MST June 29

0400 MST June 30 to 1400 MST June 30

0400 MST July 01 to 1400 MST July 01

0400 MST July 02 to 1400 MST July 02

0400 MST July 06 to 1400 MST July 06

0400 MST July 07 to 1400 MST July 07

0400 MST July 08 to 1400 MST July 08

0400 MST July 09 to 1400 MST July 09

0400 MST July 10 to 1400 MST July 10

0400 MST July 11 to 1400 MST July 11

0400 MST July 12 to 1400 MST July 12

0400 MST July 13 to 1400 MST July 13

0400 MST July 14 to 1400 MST July 14

0400 MST July 15 to 1400 MST July 15}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 688.4625 (SEP = NR)-

MP 688.9322 (SEP = NR)

MP 688.9397 (SEP = NR)

MP 690.5771 (SEP = NR)
MP 690.6094 (SEP = NR)
~~MP 692.9828 (SEP = NR, repairs completed restriction lifted)-~~
~~MP 705.4695 (SEP = NR)-~~
~~MP 705.5445 (SEP = NR)-~~
~~MP 746.3848 (SEP = NR)-~~

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

**Line Impact:
This work will not impact Line 6B rate**

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Vienna Zagaj
(780) 420-5180



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL

cc: Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 506.1011<6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jun 30, 2010
Request Number:	LA-12
Request Date:	Jun 30, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 506.1011

{0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 506.1011 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL

cc: Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 469.3261 <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jun 30, 2010
Request Number:	GT-313
Request Date:	Jun 30, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 469.3261

{0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 469.3261 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Randy.Chariton@exchange.uspl.enbridge.com@LPL, Tim.Topor@exchange.uspl.enbridge.com@LPL, Michael.Smiley@exchange.uspl.enbridge.com@LPL, Brian.Isom@exchange.uspl.enbridge.com@LPL, Daryl.Iseminger@exchange.uspl.enbridge.com@LPL, Dennis.Gabriel@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work

cc:
Subject: Lines 6B - Station Bypass: Repair Unit 4 Check Valve - LA - Laporte <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 29, 2010

Request Number: LA-11

Request Date: Apr 26, 2010

Requestor: Tom D Sims/LPL

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1425	Jul/08/2010 07:00 MST	Jul/09/2010 07:00 MST	24.00 hours

Approval Description:

Lines 6B - Station Bypass: Repair Unit 4 Check Valve - LA - Laporte

{0700 MST July 08 to 0700 MST July 09}

Proceed with plans to bypass LaPorte station in order to repair Unit 4 check valve. Pressure readbacks and MBS will not be affected.

Impact

This work will limit Line 6B rate to 1425 m3/hr.

Field personnel are requested to contact the Control Centre Line 6 Operator (#8883), by phone, prior to starting and upon completion of the work.

Vienna Zagaj
(780) 420-5180



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL

cc:
Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 700.141<6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 30, 2010
Request Number:	HW-46
Request Date:	Jun 30, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1890	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1890	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1890	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1890	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 700.141

{0400 MST July 6 to 1400 MST July 6

0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 700.141
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP= 546 psi). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Rich Folkema
(780) 420-8285



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 670.5379 & 670.6540<6>

[Click here](#) to open the approval.

Approved By: Jesse Clemmer/CNPL/Enbridge

Approval Date: Jun 30, 2010

Request Number: SK-97

Request Date: Jun 30, 2010

Requestor: Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 670.5379 & 670.6540

{0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 670.5379 & 670.6540 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL

cc: Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 622.4785 <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jun 30, 2010
Request Number:	MR-13
Request Date:	Jun 30, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 622.4785

{0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 622.4785 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 594.927 <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jun 30, 2010
Request Number:	MD-19
Request Date:	Jun 30, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 594.927

{0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 594.927 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Richard Folkema <richard.folkema@enbridge.com>, CCO Field Work <CCO.Field.Work@enbridge.com>, CCO Lines 4 - 14 - 6 - 17 - 3 <CCO.Lines-4-14-6-17-3@enbridge.com>, CCO Shift Lead <CCO.Shift.Lead@enbridge.com>, Frank Roberts <Frank.Roberts@enbridge.com>, Marc Curry <Marc.Curry@enbridge.com>, Griffith PLM Crew <GriffithPLMCrew@enbridge.com>, Griffith PLM <GriffithPLM@enbridge.com>, Griffith Technicians <GriffithTechnicians@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Brian Buck <Brian.Buck@enbridge.com>, Tom Sims <Tom.Sims@enbridge.com>, Bay City PLM Crew <BayCityPLMCrew@enbridge.com>, Bay City PLM <BayCityPLM@enbridge.com>, Bay City Technicians <BayCityTechnicians@enbridge.com>, Marshall PLM <MarshallPLM@enbridge.com>, Marshall PLM Crew <MarshallPLMCrew@enbridge.com>, Rusty Smith <Rusty.Smith@enbridge.com>

cc: 'Don Demich' <pwicons@gmail.com>

Subject: RE: Line 6B: Cleaning tool run - GT to SK <6>

It appears that Richard had some challenges with his email and that it was not received by nearly as many stakeholders as intended. I am resending this on his behalf due to the early morning launch. All necessary stakeholders in GT are well aware of the schedule. Please see below and my apologies if you are receiving this a second time.

R. Kim Campbell, C.E.T. | Integrity Programs | Pipeline Integrity | Enbridge Pipelines Inc.

Office: 780-420-8294, Fax: 780-420-5234, Mobile: 780-237-4753

From: Richard.Folkema@enbridge.com [mailto:Richard.Folkema@enbridge.com]

Sent: Thursday, July 08, 2010 6:38 PM

To: Richard_Folkema/CNPL/Enbridge%IPL; CCO_Field_Work%IPL; Kim_Campbell/CNPL/Enbridge%IPL; CCO_Lines_4/14/6/17/3%IPL; CCO_Shift_Lead%IPL; Frank_Roberts/LPL%IPL; Marc_A_Curry/LPL%IPL; Griffith_PLM_Crew%IPL; Griffith_PLM/LPL%IPL; Griffith_Technicians%IPL; Bay_City_Technicians%IPL; Brian_Buck/US/Enbridge%IPL; Tom_D_Sims/LPL%IPL; Bay_City_PLM_Crew%IPL; Bay_City_PLM/LPL%IPL; Marc Curry; Griffith_PLM_Crew; Griffith_PLM/LPL%LPL; Griffith_Technicians; Bay_City_Technicians; Brian Buck; Tom Sims; Bay_City_PLM_Crew; Bay_City_PLM/LPL%LPL

Subject: Line 6B: Cleaning tool run - GT to SK <6>

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jul 08, 2010

Request Number:GT-315

Request Date: Jul 08, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Approved Duration
6B	1890	Jul/09/2010 04:30 MST	Jul/12/2010 18:30 MST	86.00 hours

Approval Description:

Line 6B: Cleaning tool run - GT to SK
{0430 MST July 9 to 1830 MST July 12}

Proceed with plans to run 4 cleaning tools on line 6B from Griffith (GT) to Stockbridge (SK).

The 4 tools must be launched in a batch going even on 6B at Stockbridge: Target batch is CL-540

The sequence for the work is to launch first cleaning tool (6SK1) 500 m3 into the head of batch CL-540. Subsequent Cleaning Tools will be launched at a 2400 m3 spacing (6SK2,6SK3, 6SK4) in the remainder of CL-540-0

Cleaning tools are not rate sensitive, but this work will have some impact on rate due to the duration of the required station bypass with multiple tools.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

Due to the number and proximity of the tools it is expected a station will remain bypassed until all tools have passed a given station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Upon receipt of tools 6SK1,6SK1, 6SK3 at Trap in Stockbridge, a 1 hour shut down will be required prior to the arrival of 6SK4.

This is required as only 3 tools fit in the SK trap at one time: exact timing of the shutdown will be confirmed with Field Staff and communicated later in the course of this run.

Responsibilities
~~~~~

**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

Tool Tracker 3:

Cel:

Pager:

Other:

Tool Tracker 4:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~  
Additional power will not be made available for the station bypasses on this run, so for any power issues during the run, please contact Paul Bagnall at 780-420-8527.

Below is an estimate of the launch and arrival times of the tools based on a flow rate of 1600 m³/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Tool 6SK1 Estimated time	Tool 6SK2 Estimated time	Tool 6SK3 Estimated time	Tool 6SK4 Estimated time
GT	1536.4 9	Name: Cel: Pager Other:	0430/09	0600/09	0730/09	0900/09
LA	1597.4 5	Name: Cel:	1930/09	2100/09	2230/09	0000/10

		Pager Other:				
NL	1636.2 3	Name: Cel: Pager Other:	1230/10	1400/10	1530/10	1700/10
MD	1675.0 0	Name: Cel: Pager Other:	0530/11	0700/11	0830/11	1000/11
MR	1705.7 2	Name: Cel: Pager Other:	1900/11	2030/11	2200/11	2330/11
SK	1748.6 8	Name: Cel: Pager Other:	1400/12	1530/12	1700/12	1830/12

Rich Folkema
780-420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3, CCO Shift Lead, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Marc.Curry@exchange.uspl.enbridge.com@LPL, Griffith PLM Crew, Griffith PLM/LPL@LPL, Griffith Technicians, Bay City Technicians, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Bay City PLM Crew, Bay City PLM/LPL@LPL

cc:

Subject: Line 6B: Cleaning tool run - GT to SK <6>

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jul 08, 2010

Request Number: GT-315

Request Date: Jul 08, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jul/09/2010 04:30 MST	Jul/12/2010 18:30 MST	86.00 hours

Approval Description:

Line 6B: Cleaning tool run - GT to SK
{0430 MST July 9 to 1830 MST July 12}

Proceed with plans to run 4 cleaning tools on line 6B from Griffith (GT) to Stockbridge (SK).
The 4 tools must be launched in a batch going even on 6B at Stockbridge: Target batch is CL-540

The sequence for the work is to launch first cleaning tool (6SK1) 500 m3 into the head of batch CL-540. Subsequent Cleaning Tools will be launched at a 2400 m3 spacing (6SK2,6SK3, 6SK4) in the remainder of CL-540-0

Cleaning tools are not rate sensitive, but this work will have some impact on rate due to the duration of the required station bypass with multiple tools.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

Due to the number and proximity of the tools it is expected a station will remain bypassed until all tools have passed a given station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Upon receipt of tools 6SK1,6SK1, 6SK3 at Trap in Stockbridge, a 1 hour shut down will be required prior to the arrival of 6SK4.

This is required as only 3 tools fit in the SK trap at one time: exact timing of the shutdown will be confirmed with Field Staff and communicated later in the course of this run.

Responsibilities
~~~~~

**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

Tool Tracker 3:

Cel:

Pager:

Other:

Tool Tracker 4:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the

line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~

Additional power will not be made available for the station bypasses on this run, so for any power issues during the run, please contact Paul Bagnall at 780-420-8527.

Below is an estimate of the launch and arrival times of the tools based on a flow rate of 1600 m³/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Tool 6SK1 Estmiated time	Tool 6SK2 Estmiated time	Tool 6SK3 Estmiated time	Tool 6SK4 Estmiated time
GT	1536.4 9	Name: Cel: Pager Other:	0430/09	0600/09	0730/09	0900/09
LA	1597.4 5	Name: Cel: Pager Other:	1930/09	2100/09	2230/09	0000/10
NL	1636.2 3	Name: Cel: Pager Other:	1230/10	1400/10	1530/10	1700/10
MD	1675.0 0	Name: Cel: Pager Other:	0530/11	0700/11	0830/11	1000/11
MR	1705.7 2	Name:	1900/11	2030/11	2200/11	2330/11

		Cel: Pager Other:				
SK	1748.6 8	Name: Cel: Pager Other:	1400/12	1530/12	1700/12	1830/12

Rich Folkema
780-420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54 Rev 3<6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 25, 2010

Request Number: HW-44

Request Date: Jun 25, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1880	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1880	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours
6B	1880	Jul/01/2010 04:00 MST	Jul/01/2010 14:00 MST	10.00 hours
6B	1880	Jul/02/2010 04:00 MST	Jul/02/2010 14:00 MST	10.00 hours
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010	Jul/10/2010	10.00

04:00 MST 14:00 MST hours

Approval Description:

Rev 3 - Added MP 746.3848

Rev 2 - Extend dates

Rev 1 - Added MP 690.5771

Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54

0400 MST June 28 to 1400 MST June 28

0400 MST June 29 to 1400 MST June 29

0400 MST June 30 to 1400 MST June 30

0400 MST July 01 to 1400 MST July 01

0400 MST July 02 to 1400 MST July 02

0400 MST July 06 to 1400 MST July 06

0400 MST July 07 to 1400 MST July 07

0400 MST July 08 to 1400 MST July 08

0400 MST July 09 to 1400 MST July 09

0400 MST July 10 to 1400 MST July 10

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 688.4625 (SEP = NR)

MP 688.9322 (SEP = NR)

MP 688.9397 (SEP = NR)

MP 690.5771 (SEP = NR)

MP 690.6094 (SEP = NR)

MP 692.9828 (SEP = NR, repairs completed restriction lifted)

MP 705.4695 (SEP = NR)

MP 705.5445 (SEP = NR)

MP 746.3848 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54 Rev 2<6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 25, 2010

Request Number: HW-44

Request Date: Jun 25, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1880	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1880	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours
6B	1880	Jul/01/2010 04:00 MST	Jul/01/2010 14:00 MST	10.00 hours
6B	1880	Jul/02/2010 04:00 MST	Jul/02/2010 14:00 MST	10.00 hours
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010	Jul/10/2010	10.00

04:00 MST 14:00 MST hours

Approval Description:

Rev 2 - Extend dates

Rev 1 - Added MP 690.5771

Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54

{0400 MST June 28 to 1400 MST June 28

0400 MST June 29 to 1400 MST June 29

0400 MST June 30 to 1400 MST June 30

0400 MST July 01 to 1400 MST July 01

0400 MST July 02 to 1400 MST July 02

0400 MST July 06 to 1400 MST July 06

0400 MST July 07 to 1400 MST July 07

0400 MST July 08 to 1400 MST July 08

0400 MST July 09 to 1400 MST July 09

0400 MST July 10 to 1400 MST July 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 688.4625 (SEP = NR)

MP 688.9322 (SEP = NR)

MP 688.9397 (SEP = NR)

MP 690.5771 (SEP = NR)

MP 690.6094 (SEP = NR)

MP 692.9828 (SEP = NR, repairs completed restriction lifted)

MP 705.4695 (SEP = NR)

MP 705.5445 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Tim.Li@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, MBS Support

cc:

Subject: Line 6A/6B/64 - Line Shutdown - SCADA Upgrade - GT - Griffith <6,64> Rev 1

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 29, 2010
Request Number:	GT-312
Request Date:	Jun 29, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6A	0	Jul/06/2010 08:00 MST	Jul/06/2010 12:00 MST	4.00 hours
6B	0	Jul/06/2010 08:00 MST	Jul/06/2010 12:00 MST	4.00 hours
64	0	Jul/06/2010 08:00 MST	Jul/06/2010 12:00 MST	4.00 hours

Approval Description:

Rev 1. This work also requires a delivery restriction to BP

Line 6A/6B/64 - Line Shutdown - SCADA Upgrade – GT - Griffith

{0800 MST July 06 to 1200 MST July 06}

Proceed with plans to upgrade the SCADA system from HP operating system to Linux operating system.

PCS and MBS will be affected.

Line Impact:

This work requires a 4 hour Line 6A shut down.

This work requires a 4 hour Line 6B shut down.

This work requires a 4 hour Line 64 shut down.

This work also requires a 4 hour delivery restriction to BP.

Field personnel are requested to contact the Enbridge Line 6 operator (#8883) and Line 64 operator (#8884) prior to commencing and at the completion of work.

Vienna Zagaj
(780) 420-5180



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, Vienna.Zagaj@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 622.4785 Rev 1<6>

[Click here](#) to open the approval.

Approved By: Jesse Clemmer/CNPL/Enbridge

Approval Date: Jun 30, 2010

Request Number: MR-13

Request Date: Jun 30, 2010

Requestor: Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours
6B	1880	Jul/11/2010 04:00 MST	Jul/11/2010 14:00 MST	10.00 hours
6B	1880	Jul/12/2010 04:00 MST	Jul/12/2010 14:00 MST	10.00 hours
6B	1880	Jul/13/2010 04:00 MST	Jul/13/2010 14:00 MST	10.00 hours
6B	1880	Jul/14/2010 04:00 MST	Jul/14/2010 14:00 MST	10.00 hours

6B	1880	Jul/15/2010 04:00 MST	Jul/15/2010 14:00 MST	10.00 hours
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Approval Description:
Rev 1 - Entend Dates

Line 6B - Excavating/Assessing/Grinding Restriction -MP 622.4785

0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10

0400 MST July 11 to 1400 MST July 11
0400 MST July 12 to 1400 MST July 12
0400 MST July 13 to 1400 MST July 13
0400 MST July 14 to 1400 MST July 14
0400 MST July 15 to 1400 MST July 15

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 622.4785 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:
This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work

cc:

Subject: Line 6B (30") Line Shutdown: Excavating/Assessing/Grinding Restriction -MP 704.17, 707.40, 719.01 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jul 09, 2010
Request Number:	HW-47
Request Date:	Jul 09, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	Jul/12/2010 04:00 MST	Jul/12/2010 14:00 MST	10.00 hours
6B	0	Jul/13/2010 04:00 MST	Jul/13/2010 14:00 MST	10.00 hours
6B	0	Jul/14/2010 04:00 MST	Jul/14/2010 14:00 MST	10.00 hours
6B	0	Jul/15/2010 04:00 MST	Jul/15/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B (30") Line Shutdown: Excavating/Assessing/Grinding Restriction -MP 704.17, 707.40, 719.01

{0400 MST July 12 to 1400 MST July 12
0400 MST July 13 to 1400 MST July 13
0400 MST July 14 to 1400 MST July 14
0400 MST July 15 to 1400 MST July 15 }

Proceed with plans to Excavate/Assess/Grind Line to the 6B (30") pipe at

MP 704.1778 (SEP = 312)
MP 707.4060 (SEP = 312)
MP 719.0104 (SEP = 312)

As determined by Pipeline Integrity, the pressure will be limited to Safe excavation pressure(SEP) . In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Shutdown

300 psi discharge at HW.

Line Impact:

This work will require Line 6B to be shutdown for 4 days at 10 hours each day.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, Vienna.Zagaj@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 594.927 Rev 1 <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jun 30, 2010
Request Number:	MD-19
Request Date:	Jun 30, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours
6B	1880	Jul/11/2010 04:00 MST	Jul/11/2010 14:00 MST	10.00 hours
6B	1880	Jul/12/2010 04:00 MST	Jul/12/2010 14:00 MST	10.00 hours
6B	1880	Jul/13/2010 04:00 MST	Jul/13/2010 14:00 MST	10.00 hours
6B	1880	Jul/14/2010 04:00 MST	Jul/14/2010 14:00 MST	10.00 hours

6B	1880	Jul/15/2010 04:00 MST	Jul/15/2010 14:00 MST	10.00 hours
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Approval Description:

Rev 1 - Extend dates

Line 6B - Excavating/Assessing/Grinding Restriction -MP 594.927

0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10

0400 MST July 11 to 1400 MST July 11
0400 MST July 12 to 1400 MST July 12
0400 MST July 13 to 1400 MST July 13
0400 MST July 14 to 1400 MST July 14
0400 MST July 15 to 1400 MST July 15

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 594.927 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, Vienna.Zagaj@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 670.5379 & 670.6540 Rev 1<6>

[Click here](#) to open the approval.

Approved By: Jesse Clemmer/CNPL/Enbridge

Approval Date: Jun 30, 2010

Request Number: SK-97

Request Date: Jun 30, 2010

Requestor: Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours
6B	1880	Jul/11/2010 04:00 MST	Jul/11/2010 14:00 MST	10.00 hours
6B	1880	Jul/12/2010 04:00 MST	Jul/12/2010 14:00 MST	10.00 hours
6B	1880	Jul/13/2010 04:00 MST	Jul/13/2010 14:00 MST	10.00 hours
6B	1880	Jul/14/2010 04:00 MST	Jul/14/2010 14:00 MST	10.00 hours

6B	1880	Jul/15/2010 04:00 MST	Jul/15/2010 14:00 MST	10.00 hours
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Approval Description:
Rev 1 - Extend Dates

Line 6B - Excavating/Assessing/Grinding Restriction -MP 670.5379 & 670.6540

0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10

0400 MST July 11 to 1400 MST July 11
0400 MST July 12 to 1400 MST July 12
0400 MST July 13 to 1400 MST July 13
0400 MST July 14 to 1400 MST July 14
0400 MST July 15 to 1400 MST July 15

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 670.5379 & 670.6540 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:
This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, Vienna.Zagaj@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 469.3261 Rev 1 <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jun 30, 2010
Request Number:	GT-313
Request Date:	Jun 30, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours
6B	1880	Jul/11/2010 04:00 MST	Jul/11/2010 14:00 MST	10.00 hours
6B	1880	Jul/12/2010 04:00 MST	Jul/12/2010 14:00 MST	10.00 hours
6B	1880	Jul/13/2010 04:00 MST	Jul/13/2010 14:00 MST	10.00 hours
6B	1880	Jul/14/2010 04:00 MST	Jul/14/2010 14:00 MST	10.00 hours

6B	1880	Jul/15/2010 04:00 MST	Jul/15/2010 14:00 MST	10.00 hours
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Approval Description:
Rev 1 - Extend Dates

Line 6B - Excavating/Assessing/Grinding Restriction -MP 469.3261

0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10

0400 MST July 11 to 1400 MST July 11
0400 MST July 12 to 1400 MST July 12
0400 MST July 13 to 1400 MST July 13
0400 MST July 14 to 1400 MST July 14
0400 MST July 15 to 1400 MST July 15

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 469.3261 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:
This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, Randy.Roach@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, Vienna.Zagaj@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 506.1011Rev 1<6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jun 30, 2010
Request Number:	LA-12
Request Date:	Jun 30, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1880	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1880	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1880	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1880	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours
6B	1880	Jul/11/2010 04:00 MST	Jul/11/2010 14:00 MST	10.00 hours
6B	1880	Jul/12/2010 04:00 MST	Jul/12/2010 14:00 MST	10.00 hours
6B	1880	Jul/13/2010 04:00 MST	Jul/13/2010 14:00 MST	10.00 hours
6B	1880	Jul/14/2010 04:00 MST	Jul/14/2010 14:00 MST	10.00 hours

6B	1880	Jul/15/2010 04:00 MST	Jul/15/2010 14:00 MST	10.00 hours
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Approval Description:
Rev 1 - Extend Dates

Line 6B - Excavating/Assessing/Grinding Restriction -MP 506.1011

0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10

0400 MST July 11 to 1400 MST July 11
0400 MST July 12 to 1400 MST July 12
0400 MST July 13 to 1400 MST July 13
0400 MST July 14 to 1400 MST July 14
0400 MST July 15 to 1400 MST July 15

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 506.1011 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:
This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Jesse Clemmer
(780) 420-5139



To: Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 677.395, 677.342 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 22, 2010
Request Number:	SK-95
Request Date:	Jun 22, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/22/2010 11:00 MST	Jun/22/2010 14:00 MST	3.00 hours
6B	1890	Jun/23/2010 04:00 MST	Jun/23/2010 14:00 MST	10.00 hours
6B	1890	Jun/24/2010 04:00 MST	Jun/24/2010 14:00 MST	10.00 hours
6B	1890	Jun/25/2010 04:00 MST	Jun/25/2010 14:00 MST	10.00 hours
6B	1890	Jun/26/2010 04:00 MST	Jun/26/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 677.395, 677.342 (SK-HW)

{1100 MST June 22 to 1400 MST June 22

0400 MST June 23 to 1400 MST June 23
0400 MST June 24 to 1400 MST June 24
0400 MST June 25 to 1400 MST June 25
0400 MST June 26 to 1400 MST June 26}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 677.395, 677.342
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:
This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Rich Folkema
(780) 420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP680.53 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 21, 2010

Request Number: HW-42

Request Date: Jun 21, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jun/21/2010 13:00 MST	Jun/21/2010 16:00 MST	3.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP680.53

{1300 MST June 21 to 1600 MST June 21 }

Proceed with plans to Excavate/Assess/Grind Line to the 6B (30") pipe at

MP 680.5387 (SEP = NR)

As determined by Pipeline Integrity, the pressure will be limited to Safe excavation pressure(SEP) . In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not impact Line 6B rates.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work

cc: Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 619.0057 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 25, 2010
Request Number:	MR-12
Request Date:	Jun 25, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jun/25/2010 10:00 MST	Jun/25/2010 14:00 MST	4.00 hours
6B	1880	Jun/26/2010 04:00 MST	Jun/26/2010 14:00 MST	10.00 hours
6B	1880	Jun/27/2010 04:00 MST	Jun/27/2010 14:00 MST	10.00 hours
6B	1880	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1880	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1880	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours
6B	1880	Jul/01/2010 04:00 MST	Jul/01/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 619.0057

{1000 MST June 25 to 1400 MST June 25

0400 MST June 26 to 1400 MST June 26

0400 MST June 27 to 1400 MST June 27

0400 MST June 28 to 1400 MST June 28

0400 MST June 29 to 1400 MST June 29

0400 MST June 30 to 1400 MST June 30

0400 MST July 01 to 1400 MST July 01}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 619.0057

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Vienna Zagaj
(780) 420-5180



To: Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 677.395, 677.342 Rev 1<6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 22, 2010
Request Number:	SK-95
Request Date:	Jun 22, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/22/2010 11:00 MST	Jun/22/2010 14:00 MST	3.00 hours
6B	1890	Jun/23/2010 04:00 MST	Jun/23/2010 14:00 MST	10.00 hours
6B	1890	Jun/24/2010 04:00 MST	Jun/24/2010 14:00 MST	10.00 hours
6B	1890	Jun/25/2010 04:00 MST	Jun/25/2010 14:00 MST	10.00 hours
6B	1890	Jun/26/2010 04:00 MST	Jun/26/2010 14:00 MST	10.00 hours
6B	1890	Jun/27/2010 04:00 MST	Jun/27/2010 14:00 MST	10.00 hours
6B	1890	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1890	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1890	Jun/30/2010	Jun/30/2010	10.00

		04:00 MST	14:00 MST	hours
6B	1890	Jul/01/2010	Jul/01/2010	10.00
		04:00 MST	14:00 MST	hours

Approval Description:

Rev 1 - Extend dates

Line 6B - Excavating/Assessing/Grinding Restriction -MP 677.395, 677.342 (SK-HW)

{1100 MST June 22 to 1400 MST June 22
0400 MST June 23 to 1400 MST June 23
0400 MST June 24 to 1400 MST June 24
0400 MST June 25 to 1400 MST June 25
0400 MST June 26 to 1400 MST June 26

0400 MST June 27 to 1400 MST June 27
0400 MST June 28 to 1400 MST June 28
0400 MST June 29 to 1400 MST June 29
0400 MST June 30 to 1400 MST June 30
0400 MST July 01 to 1400 MST July 01}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 677.395, 677.342
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Rich Folkema
(780) 420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 670.32, 677.97, 677.98, 677.99 Rev 2 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 11, 2010
Request Number:	SK-91
Request Date:	Jun 11, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/15/2010 06:00 MST	Jun/15/2010 16:00 MST	10.00 hours
6B	1890	Jun/16/2010 06:00 MST	Jun/16/2010 16:00 MST	10.00 hours
6B	1890	Jun/17/2010 06:00 MST	Jun/17/2010 16:00 MST	10.00 hours
6B	1890	Jun/18/2010 06:00 MST	Jun/18/2010 16:00 MST	10.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
6B	1890	Jun/23/2010 06:00 MST	Jun/23/2010 16:00 MST	10.00 hours
		Jun/24/2010	Jun/24/2010	10.00

6B	1890	06:00 MST	16:00 MST	hours
6B	1890	Jun/25/2010 06:00 MST	Jun/25/2010 16:00 MST	10.00 hours

Approval Description:

Rev 2 - Added June 25 to Lines approved field

Rev 1 - Extend dates

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 670.32, 677.97, 677.98, 677.99

{0600 MST June 15 to 1600 MST June 15
0600 MST June 16 to 1600 MST June 16
0600 MST June 17 to 1600 MST June 17
0600 MST June 18 to 1600 MST June 18
0600 MST June 19 to 1600 MST June 19
0600 MST June 20 to 1600 MST June 20
0600 MST June 21 to 1600 MST June 21
0600 MST June 22 to 1600 MST June 22
0600 MST June 23 to 1600 MST June 23
0600 MST June 24 to 1600 MST June 24
0600 MST June 25 to 1600 MST June 25}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 670.3256 (SEP = NR)
MP 677.9739 (SEP = NR)
MP 677.9886 (SEP = NR)
MP 677.9962 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 670.32, 677.97, 677.98, 677.99 Rev 1 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 11, 2010
Request Number:	SK-91
Request Date:	Jun 11, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/15/2010 06:00 MST	Jun/15/2010 16:00 MST	10.00 hours
6B	1890	Jun/16/2010 06:00 MST	Jun/16/2010 16:00 MST	10.00 hours
6B	1890	Jun/17/2010 06:00 MST	Jun/17/2010 16:00 MST	10.00 hours
6B	1890	Jun/18/2010 06:00 MST	Jun/18/2010 16:00 MST	10.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
6B	1890	Jun/23/2010 06:00 MST	Jun/23/2010 16:00 MST	10.00 hours
		Jun/24/2010	Jun/24/2010	10.00

6B 1890 06:00 MST 16:00 MST hours

Approval Description:

Rev 1 - Extend dates

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 670.32, 677.97, 677.98, 677.99

0600 MST June 15 to 1600 MST June 15
0600 MST June 16 to 1600 MST June 16
0600 MST June 17 to 1600 MST June 17
0600 MST June 18 to 1600 MST June 18
0600 MST June 19 to 1600 MST June 19
0600 MST June 20 to 1600 MST June 20
0600 MST June 21 to 1600 MST June 21
0600 MST June 22 to 1600 MST June 22
0600 MST June 23 to 1600 MST June 23
0600 MST June 24 to 1600 MST June 24
0600 MST June 25 to 1600 MST June 25

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 670.3256 (SEP = NR)
MP 677.9739 (SEP = NR)
MP 677.9886 (SEP = NR)
MP 677.9962 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Tom.Sims@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, CCO Griffith Terminal, CCO Lines 4/14/6/17/3

cc:

Subject: Cancelled - Line 6B - Booster Pump Vibration Testing: - GT <6, GT> Rev 1

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jun 18, 2010

Request Number: GT-306

Request Date: Jun 17, 2010

Requestor: Vince P Kolbuck/LPL

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/23/2010 08:00 MST	Jun/23/2010 12:00 MST	4.00 hours

Approval Description:

Rev 1. This work is cancelled and will be rescheduled at a future date

Cancelled -Line 6B - Booster Pump Vibration Testing: - GT 0800 MST June 23 to 1200 MST June 23}

Please proceed to support vibration testing at Griffith Terminal - Booster Pumpes #2 and #4 are to be operated in parallel

This testing is being performed to identify possible deficiencies on the units.

A detailed test scope will be issued in advance of testing - Test will comprise of varying flowrate from 1400m3/hr to 1890m3/hr

No information will need be recorded by the Line 6B Operator (information gathered at the field level) Field Vibration Representative will keep in communication with Line 6B Operator throughout testing.

Line Impact:

This work is not expected to impact scheduled rate (the Line 6B operator is asked to make up any rate loss after hours of testing)

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883) if any changes are required for this work.

Richard Folkema
780-420-8285
780-239-1562 Cell



To: Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 620.796 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 22, 2010
Request Number:	MR-11
Request Date:	Jun 22, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/22/2010 11:00 MST	Jun/22/2010 14:00 MST	3.00 hours
6B	1890	Jun/23/2010 04:00 MST	Jun/23/2010 14:00 MST	10.00 hours
6B	1890	Jun/24/2010 04:00 MST	Jun/24/2010 14:00 MST	10.00 hours
6B	1890	Jun/25/2010 04:00 MST	Jun/25/2010 14:00 MST	10.00 hours
6B	1890	Jun/26/2010 04:00 MST	Jun/26/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 620.796 (MR-SK)

{1100 MST June 22 to 1400 MST June 22

0400 MST June 23 to 1400 MST June 23
0400 MST June 24 to 1400 MST June 24
0400 MST June 25 to 1400 MST June 25
0400 MST June 26 to 1400 MST June 26}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 620.796.
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Rich Folkema
(780) 420-8285



To: Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3

cc:
Subject: Line 6B - Excavating/Assessing/Grinding Restriction - MP 692.982, 705.469, 705.544, 688.932, 688.462 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 22, 2010
Request Number:	HW-43
Request Date:	Jun 22, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/22/2010 11:00 MST	Jun/22/2010 14:00 MST	3.00 hours
6B	1890	Jun/23/2010 04:00 MST	Jun/23/2010 14:00 MST	10.00 hours
6B	1890	Jun/24/2010 04:00 MST	Jun/24/2010 14:00 MST	10.00 hours
6B	1890	Jun/25/2010 04:00 MST	Jun/25/2010 14:00 MST	10.00 hours
6B	1890	Jun/26/2010 04:00 MST	Jun/26/2010 14:00 MST	10.00 hours
6B	1890	Jun/27/2010 04:00 MST	Jun/27/2010 14:00 MST	10.00 hours
6B	1890	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours

6B	1890	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
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Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 692.982, 705.469, 705.544, 688.932, 688.462 (HW-RW)

{1100 MST June 22 to 1400 MST June 22
0400 MST June 23 to 1400 MST June 23
0400 MST June 24 to 1400 MST June 24
0400 MST June 25 to 1400 MST June 25
0400 MST June 26 to 1400 MST June 26}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 692.982, 705.469, 705.544, 688.932, 688.462

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Rich Folkema
(780) 420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54 Rev 1 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 25, 2010

Request Number: HW-44

Request Date: Jun 25, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1880	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1880	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours
6B	1880	Jul/01/2010 04:00 MST	Jul/01/2010 14:00 MST	10.00 hours
6B	1880	Jul/02/2010 04:00 MST	Jul/02/2010 14:00 MST	10.00 hours

Approval Description:

Rev 1 - Added MP 690.5771

Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54

{0400 MST June 28 to 1400 MST June 28
0400 MST June 29 to 1400 MST June 29
0400 MST June 30 to 1400 MST June 30
0400 MST July 01 to 1400 MST July 01
0400 MST July 02 to 1400 MST July 02}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 688.4625 (SEP = NR)

MP 688.9322 (SEP = NR)

MP 688.9397 (SEP = NR)

MP 690.5771 (SEP = NR)

MP 690.6094 (SEP = NR)

MP 692.9828 (SEP = NR, repairs completed restriction lifted)

MP 705.4695 (SEP = NR)

MP 705.5445 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, CCO Field Work

cc:

Subject: Line 6B - Installation of Corrosion Monitor -MP 495.24 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 25, 2010

Request Number: GT-309

Request Date: Jun 25, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1880	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Installation of Corrosion Monitor -MP 495.24

{0400 MST June 29 to 1400 MST June 29
0400 MST June 30 to 1400 MST June 30 }

Proceed with plans to install corrosion monitor on to Line 6B (30") pipe at MP 495.24.

There are no pressure restrictions for this work.

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Vienna Zagaj

(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 670.32, 677.97, 677.98, 677.99 Rev 3 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 11, 2010
Request Number:	SK-91
Request Date:	Jun 11, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/15/2010 06:00 MST	Jun/15/2010 16:00 MST	10.00 hours
6B	1890	Jun/16/2010 06:00 MST	Jun/16/2010 16:00 MST	10.00 hours
6B	1890	Jun/17/2010 06:00 MST	Jun/17/2010 16:00 MST	10.00 hours
6B	1890	Jun/18/2010 06:00 MST	Jun/18/2010 16:00 MST	10.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
6B	1890	Jun/23/2010 06:00 MST	Jun/23/2010 16:00 MST	10.00 hours
		Jun/24/2010	Jun/24/2010	10.00

6B	1890	06:00 MST	16:00 MST	hours
6B	1890	Jun/25/2010 06:00 MST	Jun/25/2010 16:00 MST	10.00 hours
6B	1890	Jun/26/2010 04:00 MST	Jun/26/2010 14:00 MST	10.00 hours
6B	1890	Jun/27/2010 04:00 MST	Jun/27/2010 14:00 MST	10.00 hours
6B	1890	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1890	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1890	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours
6B	1890	Jul/01/2010 04:00 MST	Jul/01/2010 14:00 MST	10.00 hours
6B	1890	Jul/02/2010 04:00 MST	Jul/02/2010 14:00 MST	10.00 hours

Approval Description:

Rev 3 - Extend dates and changed hours of work

Rev 2 - Added June 25 to Lines approved field

Rev 1 - Extend dates

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 670.32, 677.97, 677.98, 677.99

0600 MST June 15 to 1600 MST June 15

0600 MST June 16 to 1600 MST June 16

0600 MST June 17 to 1600 MST June 17

0600 MST June 18 to 1600 MST June 18

0600 MST June 19 to 1600 MST June 19

0600 MST June 20 to 1600 MST June 20

0600 MST June 21 to 1600 MST June 21

0600 MST June 22 to 1600 MST June 22

0600 MST June 23 to 1600 MST June 23

0600 MST June 24 to 1600 MST June 24

0600 MST June 25 to 1600 MST June 25

0400 MST June 26 to 1400 MST June 26

0400 MST June 27 to 1400 MST June 27

0400 MST June 28 to 1400 MST June 28

0400 MST June 29 to 1400 MST June 29

0400 MST June 30 to 1400 MST June 30

0400 MST July 01 to 1400 MST July 01
0400 MST July 02 to 1400 MST July 02}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 670.3256 (SEP = NR)

MP 677.9739 (SEP = NR)

MP 677.9886 (SEP = NR)

MP 677.9962 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, CCO Field Work

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 25, 2010

Request Number: HW-44

Request Date: Jun 25, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1880	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1880	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours
6B	1880	Jul/01/2010 04:00 MST	Jul/01/2010 14:00 MST	10.00 hours
6B	1880	Jul/02/2010 04:00 MST	Jul/02/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.46, 688.93, 690.60, 692.98, 705.46, 705.54

{0400 MST June 28 to 1400 MST June 28

0400 MST June 29 to 1400 MST June 29

0400 MST June 30 to 1400 MST June 30

0400 MST July 01 to 1400 MST July 01

0400 MST July 02 to 1400 MST July 02}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 688.4625 (SEP = NR)

MP 688.9322 (SEP = NR)

MP 688.9397 (SEP = NR)

MP 690.6094 (SEP = NR)

MP 692.9828 (SEP = NR, repairs completed restriction lifted)

MP 705.4695 (SEP = NR)

MP 705.5445 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP is not required). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Tim.Li@cnplexch.enbridge.com@IPL, CCO Field Work, MBS Support

cc:

Subject: Line 6A/6B/64 - Line Shutdown - SCADA Upgrade - GT - Griffith <6,64>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 29, 2010

Request Number: GT-312

Request Date: Jun 29, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6A	0	Jul/06/2010 08:00 MST	Jul/06/2010 12:00 MST	4.00 hours
6B	0	Jul/06/2010 08:00 MST	Jul/06/2010 12:00 MST	4.00 hours
64	0	Jul/06/2010 08:00 MST	Jul/06/2010 12:00 MST	4.00 hours

Approval Description:

Line 6A/6B/64 - Line Shutdown - SCADA Upgrade – GT - Griffith

{0800 MST July 06 to 1200 MST July 06}

Proceed with plans to upgrade the SCADA system from HP operating system to Linux operating system.

PCS and MBS will be affected.

Line Impact:

This work requires a 4 hour Line 6A shut down.

This work requires a 4 hour Line 6B shut down.

This work requires a 4 hour Line 64 shut down.

Field personnel are requested to contact the Enbridge Line 6 operator (#8883) and Line 64 operator (#8884) prior to commencing and at the completion of work.

Vienna Zagaj
(780) 420-5180



To: Tom.Sims@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, CCO Griffith Terminal, CCO Lines 4/14/6/17/3

cc:
Subject: Line 6B - Booster Pump Vibration Testing: - GT <6, GT>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 18, 2010
Request Number:	GT-306
Request Date:	Jun 17, 2010
Requestor:	Vince P Kolbuck/LPL

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/23/2010 08:00 MST	Jun/23/2010 12:00 MST	4.00 hours

Approval Description:

Line 6B - Booster Pump Vibration Testing: - GT
0800 MST June 23 to 1200 MST June 23}

Please proceed to support vibration testing at Griffith Terminal - Booster Pumpes #2 and #4 are to be operated in parallel

This testing is being performed to identify possible deficiencies on the units.

A detailed test scope will be issued in advance of testing - Test will comprise of varying flowrate from 1400m3/hr to 1890m3/hr

No information will need be recorded by the Line 6B Operator (information gathered at the field level)

Field Vibration Representative will keep in communication with Line 6B Operator throughout testing.

Line Impact:

This work is not expected to impact scheduled rate (the Line 6B operator is asked to make up any rate loss after hours of testing)

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883) if any changes are required for this work.

Richard Folkema
780-420-8285
780-239-1562 Cell



To: Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 670.522, 670.530, 670.537 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 18, 2010
Request Number:	SK-94
Request Date:	Jun 18, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
6B	1890	Jun/23/2010 06:00 MST	Jun/23/2010 16:00 MST	10.00 hours
6B	1890	Jun/24/2010 06:00 MST	Jun/24/2010 16:00 MST	10.00 hours
6B	1890	Jun/25/2010 06:00 MST	Jun/25/2010 16:00 MST	10.00 hours
6B	1890	Jun/26/2010	Jun/26/2010	10.00

		06:00 MST	16:00 MST	hours
6B	1890	Jun/27/2010 06:00 MST	Jun/27/2010 16:00 MST	10.00 hours
6B	1890	Jun/28/2010 06:00 MST	Jun/28/2010 16:00 MST	10.00 hours
6B	1890	Jun/29/2010 06:00 MST	Jun/29/2010 16:00 MST	10.00 hours
6B	1890	Jun/30/2010 06:00 MST	Jun/30/2010 16:00 MST	10.00 hours
6B	1890	Jul/01/2010 06:00 MST	Jul/01/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 670.522, 670.530, 670.537

{0600 MST June 19 to 1600 MST June 19
0600 MST June 20 to 1600 MST June 20
0600 MST June 21 to 1600 MST June 21
0600 MST June 22 to 1600 MST June 22
0600 MST June 23 to 1600 MST June 23
0600 MST June 24 to 1600 MST June 24
0600 MST June 25 to 1600 MST June 25
0600 MST June 26 to 1600 MST June 26
0600 MST June 27 to 1600 MST June 27
0600 MST June 28 to 1600 MST June 28
0600 MST June 29 to 1600 MST June 29
0600 MST June 30 to 1600 MST June 30
0600 MST July 1 to 1600 MST July 1}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 670.522, 670.530, 670.537

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=50% MOP). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **400 psi** discharge at SK. **190 psi** suction at HW. DPRF = **1**

Shutdown: **270 psi** discharge at SK, **260 psi** suction at HW

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Rich Folkema

(780) 420-8285



To: Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 638.422 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 18, 2010
Request Number:	MR-10
Request Date:	Jun 18, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/18/2010 08:00 MST	Jun/18/2010 16:00 MST	8.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1860	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
6B	1890	Jun/23/2010 06:00 MST	Jun/23/2010 16:00 MST	10.00 hours
6B	1890	Jun/24/2010 06:00 MST	Jun/24/2010 16:00 MST	10.00 hours
6B	1890	Jun/25/2010	Jun/25/2010	10.00

		06:00 MST	16:00 MST	hours
6B	1890	Jun/25/2010 06:00 MST	Jun/25/2010 16:00 MST	10.00 hours
6B	1890	Jun/26/2010 06:00 MST	Jun/26/2010 16:00 MST	10.00 hours
6B	1890	Jun/27/2010 06:00 MST	Jun/27/2010 16:00 MST	10.00 hours
6B	1890	Jun/28/2010 06:00 MST	Jun/28/2010 16:00 MST	10.00 hours
6B	1890	Jun/29/2010 06:00 MST	Jun/29/2010 16:00 MST	10.00 hours
6B	1890	Jun/30/2010 06:00 MST	Jun/30/2010 16:00 MST	10.00 hours
6B	1890	Jul/01/2010 06:00 MST	Jul/01/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 638.422

0800 MST June 18 to 1600 MST June 18
0600 MST June 19 to 1600 MST June 19
0600 MST June 20 to 1600 MST June 20
0600 MST June 21 to 1600 MST June 21
0600 MST June 22 to 1600 MST June 22
0600 MST June 23 to 1600 MST June 23
0600 MST June 24 to 1600 MST June 24
0600 MST June 25 to 1600 MST June 25
0600 MST June 26 to 1600 MST June 26
0600 MST June 27 to 1600 MST June 27
0600 MST June 28 to 1600 MST June 28
0600 MST June 29 to 1600 MST June 29
0600 MST June 30 to 1600 MST June 30
0600 MST July 1 to 1600 MST July 1}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 638.422
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=50% MOP). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **420 psi** discharge at MR. **175 psi** suction at SK. DPRF = **1**
Shutdown: **270 psi** suction at SK

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Rich Folkema
(780) 420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 595.2351 Rev 1<6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 11, 2010
Request Number:	MD-18
Request Date:	Jun 11, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/14/2010 06:00 MST	Jun/14/2010 16:00 MST	10.00 hours
6B	1890	Jun/15/2010 06:00 MST	Jun/15/2010 16:00 MST	10.00 hours
6B	1890	Jun/16/2010 06:00 MST	Jun/16/2010 16:00 MST	10.00 hours
6B	1890	Jun/17/2010 06:00 MST	Jun/17/2010 16:00 MST	10.00 hours
6B	1890	Jun/18/2010 06:00 MST	Jun/18/2010 16:00 MST	10.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
		Jun/23/2010	Jun/23/2010	10.00

6B 1890 06:00 MST 16:00 MST hours

Approval Description:

Rev 1: Add MP 595.0721 and extend dates

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 595.2351, 595.0721

0600 MST June 14 to 1600 MST June 14
0600 MST June 15 to 1600 MST June 15
0600 MST June 16 to 1600 MST June 16
0600 MST June 17 to 1600 MST June 17
0600 MST June 18 to 1600 MST June 18
0600 MST June 19 to 1600 MST June 19
0600 MST June 20 to 1600 MST June 20
0600 MST June 21 to 1600 MST June 21
0600 MST June 22 to 1600 MST June 22
0600 MST June 23 to 1600 MST June 23
0600 MST June 24 to 1600 MST June 24

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 595.0721 (SEP = NR)

MP 595.2351 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 710.6505, 713.1952 Rev 1<6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 11, 2010
Request Number:	HW-40
Request Date:	Jun 11, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/14/2010 06:00 MST	Jun/14/2010 16:00 MST	10.00 hours
6B	1890	Jun/15/2010 06:00 MST	Jun/15/2010 16:00 MST	10.00 hours
6B	1890	Jun/16/2010 06:00 MST	Jun/16/2010 16:00 MST	10.00 hours
6B	1890	Jun/17/2010 06:00 MST	Jun/17/2010 16:00 MST	10.00 hours
6B	1890	Jun/18/2010 06:00 MST	Jun/18/2010 16:00 MST	10.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
		Jun/23/2010	Jun/23/2010	10.00

6B 1890 06:00 MST 16:00 MST hours

Approval Description:

Rev 1: Add MP 692.9755

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 710.6505, 713.1952, 692.9755

0600 MST June 14 to 1600 MST June 14
0600 MST June 15 to 1600 MST June 15
0600 MST June 16 to 1600 MST June 16
0600 MST June 17 to 1600 MST June 17
0600 MST June 18 to 1600 MST June 18
0600 MST June 19 to 1600 MST June 19
0600 MST June 20 to 1600 MST June 20
0600 MST June 21 to 1600 MST June 21
0600 MST June 22 to 1600 MST June 22
0600 MST June 23 to 1600 MST June 23

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 692.9755 (SEP = 476)

MP 710.6505 (SEP = NR)

MP 713.1952 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no operation limit restrictions for this work. Please use existing limits.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3

cc: **Subject:** Line 6B (30") Line Shutdown: Excavating/Assessing/Grinding -MP680.53, 690.08, 692.96, 693.95, 701.09 Rev 2<6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge
 Approval Date: Jun 11, 2010
 Request Number: HW-41
 Request Date: Jun 11, 2010
 Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	Jun/15/2010 06:00 MST	Jun/15/2010 18:00 MST	12.00 hours
6B	0	Jun/16/2010 06:00 MST	Jun/16/2010 18:00 MST	12.00 hours
6B	0	Jun/17/2010 05:00 MST	Jun/17/2010 17:00 MST	12.00 hours
6B	0	Jun/18/2010 05:00 MST	Jun/18/2010 17:00 MST	12.00 hours

Approval Description:
Rev 2 - Revise work hours (500-1700 MST)

Rev 1 - Add MP 692.9828
 Line 6B (30") Line Shutdown: Excavating/Assessing/Grinding Restriction -MP680.53, 690.08, 692.96, 692.98, 693.95, 701.09

{0600 MST June 15 to 1800 MST June 15
0600 MST June 16 to 1800 MST June 16
0500 MST June 17 to 1700 MST June 17
0500 MST June 18 to 1700 MST June 18 }

Proceed with plans to Excavate/Assess/Grind Line to the 6B (30") pipe at

MP 680.5387 (SEP = 312)

MP 690.0895 (SEP = 312)

MP 692.9681 (SEP = 312)

MP 692.9828 (SEP = 312)

MP 693.9560 (SEP = 312)

MP 701.0965 (SEP = 312)

As determined by Pipeline Integrity, the pressure will be limited to Safe excavation pressure(SEP) . In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Shutdown

300 psi discharge at HW.

Line Impact:

This work will require Line 6B to be shutdown for 4 days at 12 hours each day.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 670.522, 670.530, 670.537 <6> Rev 1

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 18, 2010
Request Number:	SK-94
Request Date:	Jun 18, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 04:00 MST	Jun/20/2010 14:00 MST	10.00 hours
6B	1890	Jun/21/2010 04:00 MST	Jun/21/2010 14:00 MST	10.00 hours
6B	1890	Jun/22/2010 04:00 MST	Jun/22/2010 14:00 MST	10.00 hours
6B	1890	Jun/23/2010 04:00 MST	Jun/23/2010 14:00 MST	10.00 hours
6B	1890	Jun/24/2010 04:00 MST	Jun/24/2010 14:00 MST	10.00 hours
6B	1890	Jun/25/2010 04:00 MST	Jun/25/2010 14:00 MST	10.00 hours
6B	1890	Jun/26/2010	Jun/26/2010	10.00

		04:00 MST	14:00 MST	hours
6B	1890	Jun/27/2010 04:00 MST	Jun/27/2010 14:00 MST	10.00 hours
6B	1890	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1890	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1890	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours
6B	1890	Jul/01/2010 04:00 MST	Jul/01/2010 14:00 MST	10.00 hours

Approval Description:

Rev 1. Work hours updated

Line 6B - Excavating/Assessing/Grinding Restriction -MP 670.522, 670.530, 670.537

0400 MST June 19 to 1400 MST June 19
0400 MST June 20 to 1400 MST June 20
0400 MST June 21 to 1400 MST June 21
0400 MST June 22 to 1400 MST June 22
0400 MST June 23 to 1400 MST June 23
0400 MST June 24 to 1400 MST June 24
0400 MST June 25 to 1400 MST June 25
0400 MST June 26 to 1400 MST June 26
0400 MST June 27 to 1400 MST June 27
0400 MST June 28 to 1400 MST June 28
0400 MST June 29 to 1400 MST June 29
0400 MST June 30 to 1400 MST June 30
0400 MST July 1 to 1400 MST July 1}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 670.522, 670.530, 670.537

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=50% MOP). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **400 psi** discharge at SK. **190 psi** suction at HW. DPRF = **1**

Shutdown: **270 psi** discharge at SK, **260 psi** suction at HW

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Rich Folkema

(780) 420-8285



To: Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 638.422 <6> Rev 1

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 18, 2010
Request Number:	MR-10
Request Date:	Jun 18, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/18/2010 08:00 MST	Jun/18/2010 16:00 MST	8.00 hours
6B	1890	Jun/19/2010 04:00 MST	Jun/19/2010 14:00 MST	10.00 hours
6B	1890	Jun/20/2010 04:00 MST	Jun/20/2010 14:00 MST	10.00 hours
6B	1890	Jun/21/2010 04:00 MST	Jun/21/2010 14:00 MST	10.00 hours
6B	1860	Jun/22/2010 04:00 MST	Jun/22/2010 14:00 MST	10.00 hours
6B	1890	Jun/23/2010 04:00 MST	Jun/23/2010 14:00 MST	10.00 hours
6B	1890	Jun/24/2010 04:00 MST	Jun/24/2010 14:00 MST	10.00 hours
6B	1890	Jun/25/2010	Jun/25/2010	10.00

		04:00 MST	14:00 MST	hours
6B	1890	Jun/25/2010 04:00 MST	Jun/25/2010 14:00 MST	10.00 hours
6B	1890	Jun/26/2010 04:00 MST	Jun/26/2010 14:00 MST	10.00 hours
6B	1890	Jun/27/2010 04:00 MST	Jun/27/2010 14:00 MST	10.00 hours
6B	1890	Jun/28/2010 04:00 MST	Jun/28/2010 14:00 MST	10.00 hours
6B	1890	Jun/29/2010 04:00 MST	Jun/29/2010 14:00 MST	10.00 hours
6B	1890	Jun/30/2010 04:00 MST	Jun/30/2010 14:00 MST	10.00 hours
6B	1890	Jul/01/2010 04:00 MST	Jul/01/2010 14:00 MST	10.00 hours

Approval Description:

Rev 1. Work hours updated

Line 6B - Excavating/Assessing/Grinding Restriction -MP 638.422

0800 MST June 18 to 1400 MST June 18
0400 MST June 19 to 1400 MST June 19
0400 MST June 20 to 1400 MST June 20
0400 MST June 21 to 1400 MST June 21
0400 MST June 22 to 1400 MST June 22
0400 MST June 23 to 1400 MST June 23
0400 MST June 24 to 1400 MST June 24
0400 MST June 25 to 1400 MST June 25
0400 MST June 26 to 1400 MST June 26
0400 MST June 27 to 1400 MST June 27
0400 MST June 28 to 1400 MST June 28
0400 MST June 29 to 1400 MST June 29
0400 MST June 30 to 1400 MST June 30
0400 MST July 1 to 1400 MST July 1}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 638.422
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=50% MOP). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **420 psi** discharge at MR. **175 psi** suction at SK. DPRF = **1**
Shutdown: **270 psi** suction at SK

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Rich Folkema
(780) 420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 481.7120 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 11, 2010

Request Number: GT-305

Request Date: Jun 11, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/15/2010 06:00 MST	Jun/15/2010 16:00 MST	10.00 hours
6B	1890	Jun/16/2010 06:00 MST	Jun/16/2010 16:00 MST	10.00 hours
6B	1890	Jun/17/2010 06:00 MST	Jun/17/2010 16:00 MST	10.00 hours
6B	1890	Jun/18/2010 06:00 MST	Jun/18/2010 16:00 MST	10.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
6B	1890	Jun/23/2010 06:00 MST	Jun/23/2010 16:00 MST	10.00 hours
6B	1890	Jun/24/2010 06:00 MST	Jun/24/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 481.7120

0600 MST June 15 to 1600 MST June 15

0600 MST June 16 to 1600 MST June 16

0600 MST June 17 to 1600 MST June 17

0600 MST June 18 to 1600 MST June 18

0600 MST June 19 to 1600 MST June 19

0600 MST June 20 to 1600 MST June 20

0600 MST June 21 to 1600 MST June 21

0600 MST June 22 to 1600 MST June 22

0600 MST June 23 to 1600 MST June 23

0600 MST June 24 to 1600 MST June 24

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 481.7120 (SEP = 550)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no operation pressure limits for this work. Please use existing limits.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Brian.Whittaker@exchange.uspl.enbridge.com@LPL,
Andre.LaForrest@exchange.uspl.enbridge.com@LPL, Jim.Meny@exchange.uspl.enbridge.com@LPL,
Brian.Buck@exchange.uspl.enbridge.com@LPL, Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field
Work

cc:

Subject: Line 6B - Line Shut Down - Pump Unit Investigation - MR: Marshall <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 14, 2010

Request
Number: BC-250

Request Date: Jun 14, 2010

Requestor: Brian Buck/US/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	Jun/15/2010 06:00 MST	Jun/15/2010 10:00 MST	4.00 hours

Approval Description:

Line 6B - Line Shut Down - Pump Unit Investigation - MR: Marshall

{0600 MST June 15 to 1000 MST June 15}

Proceed with plans to shutdown Line 6B in order to investigate unusually high motor bearing temperatures on Unit #2. PCS and MSB will not be affected.

Line Impact:

This work is not expeted to impact Line 6B rates as it is being scheduled during a planned shutdown for integrity digs.

Field personnel are requested to contact the Edmonton Control Centre Shift Lead (#8883) , by phone, prior to starting and upon completion of each phase of work.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Line Shutdown: Excavating/Assessing/Grinding -MP680.53, 690.08, 692.96, 693.95, 701.09 Rev 1<6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge
Approval Date: Jun 11, 2010
Request Number: HW-41
Request Date: Jun 11, 2010
Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	Jun/15/2010 06:00 MST	Jun/15/2010 18:00 MST	12.00 hours
6B	0	Jun/16/2010 06:00 MST	Jun/16/2010 18:00 MST	12.00 hours
6B	0	Jun/17/2010 06:00 MST	Jun/17/2010 18:00 MST	12.00 hours
6B	0	Jun/18/2010 06:00 MST	Jun/18/2010 18:00 MST	12.00 hours

Approval Description:
Rev 1 - Add MP 692.9828

Line 6B (30") Line Shutdown: Excavating/Assessing/Grinding Restriction -MP680.53, 690.08, 692.96, 692.98, 693.95, 701.09

{0600 MST June 15 to 1800 MST June 15
0600 MST June 16 to 1800 MST June 16
0600 MST June 17 to 1800 MST June 17
0600 MST June 18 to 1800 MST June 18 }

Proceed with plans to Excavate/Assess/Grind Line to the 6B (30") pipe at

MP 680.5387 (SEP = 312)

MP 690.0895 (SEP = 312)

MP 692.9681 (SEP = 312)

MP 692.9828 (SEP = 312)

MP 693.9560 (SEP = 312)

MP 701.0965 (SEP = 312)

As determined by Pipeline Integrity, the pressure will be limited to Safe excavation pressure(SEP) . In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Shutdown

300 psi discharge at HW.

Line Impact:

This work will require Line 6B to be shutdown for 4 days at 12 hours each day.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Line Shutdown: Excavating/Assessing/Grinding -MP680.53, 690.08, 692.96, 693.95, 701.09 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge
Approval Date: Jun 11, 2010
Request Number: HW-41
Request Date: Jun 11, 2010
Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	Jun/15/2010 06:00 MST	Jun/15/2010 18:00 MST	12.00 hours
6B	0	Jun/16/2010 06:00 MST	Jun/16/2010 18:00 MST	12.00 hours
6B	0	Jun/17/2010 06:00 MST	Jun/17/2010 18:00 MST	12.00 hours
6B	0	Jun/18/2010 06:00 MST	Jun/18/2010 18:00 MST	12.00 hours

Approval Description:

Line 6B (30") Line Shutdown: Excavating/Assessing/Grinding Restriction -MP680.53, 690.08, 692.96, 693.95, 701.09

{0600 MST June 15 to 1800 MST June 15
0600 MST June 16 to 1800 MST June 16
0600 MST June 17 to 1800 MST June 17
0600 MST June 18 to 1800 MST June 18 }

Proceed with plans to Excavate/Assess/Grind Line to the 6B (30") pipe at

MP 680.5387 (SEP = 312)
MP 690.0895 (SEP = 312)
MP 692.9681 (SEP = 312)
MP 693.9560 (SEP = 312)
MP 701.0965 (SEP = 312)

As determined by Pipeline Integrity, the pressure will be limited to Safe excavation pressure(SEP) . In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Shutdown
300 psi discharge at HW.

Line Impact:
This work will require Line 6B to be shutdown for 4 days at 12 hours each day.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 710.6505, 713.1952 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 11, 2010
Request Number:	HW-40
Request Date:	Jun 11, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/14/2010 06:00 MST	Jun/14/2010 16:00 MST	10.00 hours
6B	1890	Jun/15/2010 06:00 MST	Jun/15/2010 16:00 MST	10.00 hours
6B	1890	Jun/16/2010 06:00 MST	Jun/16/2010 16:00 MST	10.00 hours
6B	1890	Jun/17/2010 06:00 MST	Jun/17/2010 16:00 MST	10.00 hours
6B	1890	Jun/18/2010 06:00 MST	Jun/18/2010 16:00 MST	10.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
		Jun/23/2010	Jun/23/2010	10.00

6B 1890 06:00 MST 16:00 MST hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 710.6505, 713.1952

{0600 MST June 14 to 1600 MST June 14
0600 MST June 15 to 1600 MST June 15
0600 MST June 16 to 1600 MST June 16
0600 MST June 17 to 1600 MST June 17
0600 MST June 18 to 1600 MST June 18
0600 MST June 19 to 1600 MST June 19
0600 MST June 20 to 1600 MST June 20
0600 MST June 21 to 1600 MST June 21
0600 MST June 22 to 1600 MST June 22
0600 MST June 23 to 1600 MST June 23}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 710.6505 (SEP = NR)

MP 713.1952 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 670.32, 677.97, 677.98, 677.99 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 11, 2010
Request Number:	SK-91
Request Date:	Jun 11, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/15/2010 06:00 MST	Jun/15/2010 16:00 MST	10.00 hours
6B	1890	Jun/16/2010 06:00 MST	Jun/16/2010 16:00 MST	10.00 hours
6B	1890	Jun/17/2010 06:00 MST	Jun/17/2010 16:00 MST	10.00 hours
6B	1890	Jun/18/2010 06:00 MST	Jun/18/2010 16:00 MST	10.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
6B	1890	Jun/23/2010 06:00 MST	Jun/23/2010 16:00 MST	10.00 hours
		Jun/24/2010	Jun/24/2010	10.00

6B 1890 06:00 MST 16:00 MST hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 670.32, 677.97, 677.98, 677.99

0600 MST June 15 to 1600 MST June 15
0600 MST June 16 to 1600 MST June 16
0600 MST June 17 to 1600 MST June 17
0600 MST June 18 to 1600 MST June 18
0600 MST June 19 to 1600 MST June 19
0600 MST June 20 to 1600 MST June 20
0600 MST June 21 to 1600 MST June 21
0600 MST June 22 to 1600 MST June 22
0600 MST June 23 to 1600 MST June 23
0600 MST June 24 to 1600 MST June 24

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 670.3256 (SEP = NR)

MP 677.9739 (SEP = NR)

MP 677.9886 (SEP = NR)

MP 677.9962 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work, jonathanc.young@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 595.2351 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	Jun 11, 2010
Request Number:	MD-18
Request Date:	Jun 11, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/14/2010 06:00 MST	Jun/14/2010 16:00 MST	10.00 hours
6B	1890	Jun/15/2010 06:00 MST	Jun/15/2010 16:00 MST	10.00 hours
6B	1890	Jun/16/2010 06:00 MST	Jun/16/2010 16:00 MST	10.00 hours
6B	1890	Jun/17/2010 06:00 MST	Jun/17/2010 16:00 MST	10.00 hours
6B	1890	Jun/18/2010 06:00 MST	Jun/18/2010 16:00 MST	10.00 hours
6B	1890	Jun/19/2010 06:00 MST	Jun/19/2010 16:00 MST	10.00 hours
6B	1890	Jun/20/2010 06:00 MST	Jun/20/2010 16:00 MST	10.00 hours
6B	1890	Jun/21/2010 06:00 MST	Jun/21/2010 16:00 MST	10.00 hours
6B	1890	Jun/22/2010 06:00 MST	Jun/22/2010 16:00 MST	10.00 hours
		Jun/23/2010	Jun/23/2010	10.00

6B 1890 06:00 MST 16:00 MST hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 595.2351

{0600 MST June 14 to 1600 MST June 14
0600 MST June 15 to 1600 MST June 15
0600 MST June 16 to 1600 MST June 16
0600 MST June 17 to 1600 MST June 17
0600 MST June 18 to 1600 MST June 18
0600 MST June 19 to 1600 MST June 19
0600 MST June 20 to 1600 MST June 20
0600 MST June 21 to 1600 MST June 21
0600 MST June 22 to 1600 MST June 22
0600 MST June 23 to 1600 MST June 23}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 595.2351 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Darrell.Carter@exchange.uspl.enbridge.com@LPL, Brian.Whittaker@exchange.uspl.enbridge.com@LPL, Dennis.Esterline@exchange.uspl.enbridge.com@LPL, Andre.LaForrest@exchange.uspl.enbridge.com@LPL, Jim.Meny@exchange.uspl.enbridge.com@LPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL

cc:

Subject: Cancelled: Line 6B -Line Shut Down - MR: Marshall <6> Rev 1

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	May 28, 2010
Request Number:	BC-234
Request Date:	Apr 06, 2010
Requestor:	Brian Buck/US/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duratio n
6B	1890	Jun/03/2010 05:00 MST	Jun/03/2010 06:00 MST	1.00 hour
6B	1890	Jun/03/2010 06:00 MST	Jun/03/2010 14:00 MST	8.00 hours
6B	1890	Jun/03/2010 13:00 MST	Jun/03/2010 14:00 MST	1.00 hour

Approval Description:

Rev 1. This work has been cancelled due to lack of availability of crews

Line 6B -Line Shut Down - MR: Marshall-
~~{0500 MST June 3 to 0600 MST June 3}~~
~~{1300 MST June 3 to 1400 MST June 3}~~

Proceed with plans to perform two -1 hour shut downs of Line 6B in order to remove and re-install high-voltage panels in switchgear.-

This work is required to perform IR testing of HV equipment. Station will be run at normal rates in-between the two -1 hour shut downs.-

~~PCS will be affected, MBS will not be affected.~~

Impact:

~~**0500 MST to 0600 MST June 3rd – Line 6B shutdown from GT to SA**~~

~~0600 MST to 1300 MST June 3rd – Line 6B to run at normal scheduled rates~~

~~**1300 MST to 1400 MST June 3rd – Line 6B shutdown from GT to SA**~~

~~Field personnel are requested to contact the Line 6B Operator (8896), by phone, prior to starting and upon completion of each phase of work.~~

Rich Folkema
780-420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3, Kim.Campbell@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Blaine.Reinbolt@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction: MP 680.029 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 05, 2010
Request Number:	HW-38
Request Date:	Jun 05, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/06/2010 05:00 MST	Jun/06/2010 16:00 MST	11.00 hours
6B	1890	Jun/07/2010 05:00 MST	Jun/07/2010 16:00 MST	11.00 hours
6B	1890	Jun/08/2010 05:00 MST	Jun/08/2010 16:00 MST	11.00 hours
6B	1890	Jun/09/2010 05:00 MST	Jun/09/2010 16:00 MST	11.00 hours
6B	1890	Jun/10/2010 05:00 MST	Jun/10/2010 16:00 MST	11.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction: MP 680.029

0500 MST June 6 to 1600 MST June 6

0500 MST June 7 to 1600 MST June 7
0500 MST June 8 to 1600 MST June 8
0500 MST June 9 to 1600 MST June 9
0500 MST June 10 to 1600 MST June 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 680.029 (SEP = NR)
Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

No pressure restriction is required for this work

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Rich Folkema
(780) 420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, jonathanc.young@cnplexch.enbridge.com@IPL, CCO Field Work, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 670.3256 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 09, 2010

Request Number: SK-90

Request Date: Jun 09, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/09/2010 06:00 MST	Jun/09/2010 16:00 MST	10.00 hours
6B	1890	Jun/10/2010 06:00 MST	Jun/10/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -[MP 670.3256](#)

{0600 MST June 9 to 1600 MST June 9

0600 MST June 10 to 1600 MST June 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 670.3256 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Driving Sheet Piling -MP 680.80 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jun 07, 2010

Request Number: HW-39

Request Date: Jun 07, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/08/2010 06:00 MST	Jun/08/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Driving Sheet Piling -MP 680.80

{0600 MST June 8 to 1600 MST June 8

0600 MST June 9 to 1600 MST June 9

0600 MST June 10 to 1600 MST June 10}

Proceed with plans to drive sheet piling near Line 6B (30") pipe at MP 680.8095

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Kim.Campbell@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:
Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction Rev 1-SK-HW <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge
Approval Date: May 27, 2010
Request Number: SK-89
Request Date: May 27, 2010
Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/02/2010 06:00 MST	Jun/02/2010 16:00 MST	10.00 hours
6B	1890	Jun/03/2010 06:00 MST	Jun/03/2010 16:00 MST	10.00 hours
6B	1890	Jun/04/2010 06:00 MST	Jun/04/2010 16:00 MST	10.00 hours
6B	1890	Jun/05/2010 06:00 MST	Jun/05/2010 16:00 MST	10.00 hours
6B	1890	Jun/06/2010 06:00 MST	Jun/06/2010 16:00 MST	10.00 hours
6B	1890	Jun/07/2010 06:00 MST	Jun/07/2010 16:00 MST	10.00 hours
6B	1890	Jun/08/2010 06:00 MST	Jun/08/2010 16:00 MST	10.00 hours
6B	1890	Jun/09/2010 06:00 MST	Jun/09/2010 16:00 MST	10.00 hours
6B	1890	Jun/10/2010 06:00 MST	Jun/10/2010 16:00 MST	10.00 hours

Approval Description:

Rev 1: Correct Typo

Line 6B (30") Excavating/Assessing/Grinding Restriction -SK-HW

{0600 MST June 2 to 1600 MST June 2
0600 MST June 3 to 1600 MST June 3
0600 MST June 4 to 1600 MST June 4
0600 MST June 5 to 1600 MST June 5
0600 MST June 6 to 1600 MST June 6
0600 MST June 7 to 1600 MST June 7
0600 MST June 8 to 1600 MST June 8
0600 MST June 9 to 1600 MST June 9
0600 MST June 10 to 1600 MST June 10}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 677.9366 (SEP = NR)
MP 677.9739 (SEP = NR)
MP 677.9886 (SEP = 312)
MP 677.9962 (SEP = NR)
MP 668.0156 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **536 psi** discharge at SK. **285 psi** suction at HW. DPRF = **15**
Shutdown: **300 psi** discharge at SK

Line Impact:
This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL
cc:
Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 595.4906, 595.4981, 577.7276 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge
Approval Date: May 27, 2010
Request Number: MD-17
Request Date: May 27, 2010
Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/01/2010 06:00 MST	Jun/01/2010 16:00 MST	10.00 hours
6B	1890	Jun/02/2010 06:00 MST	Jun/02/2010 16:00 MST	10.00 hours
6B	1890	Jun/03/2010 06:00 MST	Jun/03/2010 16:00 MST	10.00 hours
6B	1890	Jun/04/2010 06:00 MST	Jun/04/2010 16:00 MST	10.00 hours
6B	1890	Jun/05/2010 06:00 MST	Jun/05/2010 16:00 MST	10.00 hours
6B	1890	Jun/06/2010 06:00 MST	Jun/06/2010 16:00 MST	10.00 hours
6B	1890	Jun/07/2010 06:00 MST	Jun/07/2010 16:00 MST	10.00 hours
6B	1890	Jun/08/2010 06:00 MST	Jun/08/2010 16:00 MST	10.00 hours
6B	1890	Jun/09/2010 06:00 MST	Jun/09/2010 16:00 MST	10.00 hours
6B	1890	Jun/10/2010 06:00 MST	Jun/10/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 595.4906, 595.4981, 577.7276

{0600 MST June 1 to 1600 MST June 1
0600 MST June 2 to 1600 MST June 2
0600 MST June 3 to 1600 MST June 3
0600 MST June 4 to 1600 MST June 4
0600 MST June 5 to 1600 MST June 5
0600 MST June 6 to 1600 MST June 6
0600 MST June 7 to 1600 MST June 7
0600 MST June 8 to 1600 MST June 8
0600 MST June 9 to 1600 MST June 9
0600 MST June 10 to 1600 MST June 10 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 595.4906 (SEP = NR)
MP 595.4981 (SEP = NR)
MP 577.7276 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Kim.Campbell@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:
Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -SK-HW <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge
Approval Date: May 27, 2010
Request Number: SK-89
Request Date: May 27, 2010
Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/02/2010 06:00 MST	Jun/02/2010 16:00 MST	10.00 hours
6B	1890	Jun/03/2010 06:00 MST	Jun/03/2010 16:00 MST	10.00 hours
6B	1890	Jun/04/2010 06:00 MST	Jun/04/2010 16:00 MST	10.00 hours
6B	1890	Jun/05/2010 06:00 MST	Jun/05/2010 16:00 MST	10.00 hours
6B	1890	Jun/06/2010 06:00 MST	Jun/06/2010 16:00 MST	10.00 hours
6B	1890	Jun/07/2010 06:00 MST	Jun/07/2010 16:00 MST	10.00 hours
6B	1890	Jun/08/2010 06:00 MST	Jun/08/2010 16:00 MST	10.00 hours
6B	1890	Jun/09/2010 06:00 MST	Jun/09/2010 16:00 MST	10.00 hours
6B	1890	Jun/10/2010 06:00 MST	Jun/10/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -SK-HW

{0600 MST June 2 to 1600 MST June 2
0600 MST June 3 to 1600 MST June 3
0600 MST June 4 to 1600 MST June 4
0600 MST June 5 to 1600 MST June 5
0600 MST June 6 to 1600 MST June 6
0600 MST June 7 to 1600 MST June 7
0600 MST June 8 to 1600 MST June 8
0600 MST June 9 to 1600 MST June 9
0600 MST June 10 to 1600 MST June 10 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 667.9366 (SEP = NR)
MP 667.9739 (SEP = NR)
MP 667.9886 (SEP = 312)
MP 667.9962 (SEP = NR)
MP 668.0156 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **536 psi** discharge at SK. **285 psi** suction at HW. DPRF = **15**
Shutdown: **300 psi** discharge at SK

Line Impact:
This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Kim.Campbell@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:
Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -HW - RW <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge
Approval Date: May 27, 2010
Request Number: HW-37
Request Date: May 27, 2010
Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jun/01/2010 06:00 MST	Jun/01/2010 16:00 MST	10.00 hours
6B	1890	Jun/02/2010 06:00 MST	Jun/02/2010 16:00 MST	10.00 hours
6B	1890	Jun/03/2010 06:00 MST	Jun/03/2010 16:00 MST	10.00 hours
6B	1890	Jun/04/2010 06:00 MST	Jun/04/2010 16:00 MST	10.00 hours
6B	1890	Jun/05/2010 06:00 MST	Jun/05/2010 16:00 MST	10.00 hours
6B	1890	Jun/06/2010 06:00 MST	Jun/06/2010 16:00 MST	10.00 hours
6B	1890	Jun/07/2010 06:00 MST	Jun/07/2010 16:00 MST	10.00 hours
6B	1890	Jun/08/2010 06:00 MST	Jun/08/2010 16:00 MST	10.00 hours
6B	1890	Jun/09/2010 06:00 MST	Jun/09/2010 16:00 MST	10.00 hours
6B	1890	Jun/10/2010 06:00 MST	Jun/10/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -HW - RW

{0600 MST June 1 to 1600 MST June 1
0600 MST June 2 to 1600 MST June 2
0600 MST June 3 to 1600 MST June 3
0600 MST June 4 to 1600 MST June 4
0600 MST June 5 to 1600 MST June 5
0600 MST June 6 to 1600 MST June 6
0600 MST June 7 to 1600 MST June 7
0600 MST June 8 to 1600 MST June 8
0600 MST June 9 to 1600 MST June 9
0600 MST June 10 to 1600 MST June 10 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 681.5639 (SEP = NR)
MP 710.5630 (SEP = NR)
MP 710.6062 (SEP = NR)
MP 710.6505 (SEP = NR)
MP 712.2646 (SEP = 600 psi)
MP 712.2720 (SEP = NR)
MP 713.1952 (SEP = NR)
MP 713.4008 (SEP = NR)
MP 715.4973 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no limit restrictions. Please use existing limits.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Darrell.Carter@exchange.uspl.enbridge.com@LPL, Brian.Whittaker@exchange.uspl.enbridge.com@LPL, Dennis.Esterline@exchange.uspl.enbridge.com@LPL, Andre.LaForrest@exchange.uspl.enbridge.com@LPL, Jim.Meny@exchange.uspl.enbridge.com@LPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B -Line Shut Down - MR: Marshall <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	May 28, 2010
Request Number:	BC-234
Request Date:	Apr 06, 2010
Requestor:	Brian Buck/US/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	Jun/03/2010 05:00 MST	Jun/03/2010 06:00 MST	1.00 hour
6B	1890	Jun/03/2010 06:00 MST	Jun/03/2010 14:00 MST	8.00 hours
6B	0	Jun/03/2010 13:00 MST	Jun/03/2010 14:00 MST	1.00 hour

Approval Description:

Line 6B -Line Shut Down – MR: Marshall
{0500 MST June 3 to 0600 MST June 3}
{1300 MST June 3 to 1400 MST June 3}

Proceed with plans to perform two - 1 hour shut downs of Line 6B in order to remove and re-install high voltage panels in switchgear.

This work is required to perform IR testing of HV equipment. Station will be run at normal rates in-between the two - 1 hour shut downs.

PCS will be affected, MBS will not be affected.

Impact:

0500 MST to 0600 MST June 3rd - Line 6B shutdown from GT to SA

0600 MST to 1300 MST June 3rd - Line 6B to run at normal scheduled rates

1300 MST to 1400 MST June 3rd - Line 6B shutdown from GT to SA

Field personnel are requested to contact the Line 6B Operator (8896), by phone, prior to starting and upon completion of each phase of work.

Rich Folkema
780-420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Kim.Campbell@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction - MP 736.9975, 740.7417, 740.7492 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: May 14, 2010

Request
Number: HW-36

Request Date: May 14, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/17/2010 06:00 MST	May/17/2010 16:00 MST	10.00 hours
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours
6B	1890	May/21/2010 06:00 MST	May/21/2010 16:00 MST	10.00 hours
6B	1890	May/22/2010 06:00 MST	May/22/2010 16:00 MST	10.00 hours
6B	1890	May/23/2010 06:00 MST	May/23/2010 16:00 MST	10.00 hours
6B	1890	May/24/2010 06:00 MST	May/24/2010 16:00 MST	10.00 hours
6B	1890	May/25/2010 06:00 MST	May/25/2010 16:00 MST	10.00 hours
6B	1890	May/26/2010 06:00 MST	May/26/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction - MP 736.9975, 740.7417, 740.7492

{0600 MST May 17 to 1600 MST May 17
0600 MST May 18 to 1600 MST May 18
0600 MST May 19 to 1600 MST May 19
0600 MST May 20 to 1600 MST May 20
0600 MST May 21 to 1600 MST May 21
0600 MST May 22 to 1600 MST May 22
0600 MST May 23 to 1600 MST May 23
0600 MST May 24 to 1600 MST May 24
0600 MST May 25 to 1600 MST May 25
0600 MST May 26 to 1600 MST May 26 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 736.9975 (SEP = 633)
MP 740.7417 (SEP = 622)
MP 740.7492 (SEP = 622)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Existing Limits apply.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction - 677.9886 <6> Rev 1

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	May 14, 2010
Request Number:	SK-86
Request Date:	May 14, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours
6B	1890	May/21/2010 06:00 MST	May/21/2010 16:00 MST	10.00 hours
6B	1890	May/22/2010 06:00 MST	May/22/2010 16:00 MST	10.00 hours
6B	1890	May/23/2010 06:00 MST	May/23/2010 16:00 MST	10.00 hours
6B	1890	May/24/2010 06:00 MST	May/24/2010 16:00 MST	10.00 hours
6B	1890	May/25/2010 06:00 MST	May/25/2010 16:00 MST	10.00 hours
6B	1890	May/26/2010 06:00 MST	May/26/2010 16:00 MST	10.00 hours
6B	1890	May/27/2010 06:00 MST	May/27/2010 16:00 MST	10.00 hours

Approval Description:

Rev 1 - extended dates

Line 6B (30") Excavating/Assessing/Grinding Restriction - 677.9886

0600 MST May 18 to 1600 MST May 18

0600 MST May 19 to 1600 MST May 19

0600 MST May 20 to 1600 MST May 20

0600 MST May 21 to 1600 MST May 21

0600 MST May 22 to 1600 MST May 22

0600 MST May 23 to 1600 MST May 23

0600 MST May 24 to 1600 MST May 24

0600 MST May 25 to 1600 MST May 25

0600 MST May 26 to 1600 MST May 26

0600 MST May 27 to 1600 MST May 27}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 677.9886 (SEP = 50%MOP = 312)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **536 psi** discharge at SK. **285 psi** suction at HW. DPRF = **16**

Shutdown: **300 psi** discharge at SK

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180
Barb Kitagawa
(780) 420-5276



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 576.3481 <6> Rev 1

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	May 14, 2010
Request Number:	NL-10
Request Date:	May 14, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours
6B	1890	May/21/2010 06:00 MST	May/21/2010 16:00 MST	10.00 hours
6B	1890	May/22/2010 06:00 MST	May/22/2010 16:00 MST	10.00 hours
6B	1890	May/23/2010 06:00 MST	May/23/2010 16:00 MST	10.00 hours
6B	1890	May/24/2010 06:00 MST	May/24/2010 16:00 MST	10.00 hours
6B	1890	May/25/2010 06:00 MST	May/25/2010 16:00 MST	10.00 hours
6B	1890	May/26/2010 06:00 MST	May/26/2010 16:00 MST	10.00 hours

6B	1890	May/27/2010 06:00 MST	May/27/2010 16:00 MST	10.00 hours
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Approval Description:

Rev 1. MP 577.727 added to program

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 576.3481, 577.727

{0600 MST May 18 to 1600 MST May 18
0600 MST May 19 to 1600 MST May 19
0600 MST May 20 to 1600 MST May 20
0600 MST May 21 to 1600 MST May 21
0600 MST May 22 to 1600 MST May 22
0600 MST May 23 to 1600 MST May 23
0600 MST May 24 to 1600 MST May 24
0600 MST May 25 to 1600 MST May 25
0600 MST May 26 to 1600 MST May 26
0600 MST May 27 to 1600 MST May 27}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 576.3481(SEP = NR) and MP 577.727 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL,
Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3

cc:
Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction - MP 715.0011, 715.4973, 727.2829, 735.4442
Rev 1<6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	May 14, 2010
Request Number:	HW-35
Request Date:	May 14, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/17/2010 06:00 MST	May/17/2010 16:00 MST	10.00 hours
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours
6B	1890	May/21/2010 06:00 MST	May/21/2010 16:00 MST	10.00 hours
6B	1890	May/22/2010 06:00 MST	May/22/2010 16:00 MST	10.00 hours
6B	1890	May/23/2010 06:00 MST	May/23/2010 16:00 MST	10.00 hours
6B	1890	May/24/2010 06:00 MST	May/24/2010 16:00 MST	10.00 hours
6B	1890	May/25/2010 06:00 MST	May/25/2010 16:00 MST	10.00 hours
6B	1890	May/26/2010	May/26/2010	10.00

06:00 MST 16:00 MST hours

Approval Description:

Rev 1: Add MP 710.5630

Line 6B (30") Excavating/Assessing/Grinding Restriction -_MP 715.0011, 715.4973, 727.2829, 735.4442

{0600 MST May 17 to 1600 MST May 17
0600 MST May 18 to 1600 MST May 18
0600 MST May 19 to 1600 MST May 19
0600 MST May 20 to 1600 MST May 20
0600 MST May 21 to 1600 MST May 21
0600 MST May 22 to 1600 MST May 22
0600 MST May 23 to 1600 MST May 23
0600 MST May 24 to 1600 MST May 24
0600 MST May 25 to 1600 MST May 25
0600 MST May 26 to 1600 MST May 26 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 710.5630 (SEP = NR)
MP 715.0011 (SEP = NR)
MP 715.4973(SEP = NR)
MP 727.2829 (SEP = NR)
MP 735.4442 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com@LPL, Steve.Booth@exchange.uspl.enbridge.com@LPL, Garry.Thompson@exchange.uspl.enbridge.com@LPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com@IPL, Christine.Neff@cnplexch.enbridge.com@IPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Marc.Curry@exchange.uspl.enbridge.com@LPL, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Yvan.Hubert@cnplexch.enbridge.com@IPL, Oscar.Khazam@cnplexch.enbridge.com@IPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B Cleaning and Caliper Tool Run - SK to RW <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	May 25, 2010
Request Number:	SK-88
Request Date:	May 25, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	May/26/2010 13:00 MST	May/29/2010 08:15 MST	67.25 hours

Approval Description:

Line 6B Cleaning and Caliper Tool Run - SK to RW
 {1300 MST May 26 to 0815 MST May 29}

Proceed with plans to run a cleaning tool with a caliper tool and chemically treat the 30" line 6B from SK to RW. This run will not impact rate: There are no speed limitations on the tools.

The sequence for the work is to launch a cleaning pig (6RW1) from SK followed by a caliper tool (6RW2) 3.5 hours later. Chemical inhibitor will be injected at HW between pigs. For more information about the chemical inhibitor injections, please contact Kim Campbell (780 420 8294)

In order to ensure that the tool travels to the Sarnia terminal, it must be launched into a batch destined to land into SA tankage.

The Target batch for this run is WCS-943-0. Schedulers and Operational Schedulers are to

ensure that this batch retains its delivery location.

Field personnel must launch the cleaning tool 6RW1 approximately a half hour into the batch, and launch tool 6RW2 4 hours after that.

Updated injection times of the batch can be obtained from the Edmonton Control Centre.

Stations are to be bypassed 0.5 hours prior to the arrival of a tool, and taken off bypass once it has been confirmed that the tool has passed the station. When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

~~~~~  
**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times). **The Line 6 operator is also requested to contact Sarnia field personnel 4 hours prior to the tools arriving at Sarnia, as main line valve E1741.90-6-V-2 needs to be opened in order to facilitate the landing of the tools in the trap.**

~~~~~

Below is and estimate of the launch and arrival times of the pig based on a varying rate of 0-1850 m3/h.

***Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.**

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6RW1		Caliper Tool 6RW2	
			Estimated Time MST	Actual Time MST	Estimated Time MST	Actual Time MST
SK	1748.6 8	Name: Cel: Pager: Other:	1300/26	.	1630/26	.
HW	1776.7 2	Name: Cel: Pager: Other:	1230/27	.	1545/27	.
RW	1856.8 5	Name: Cel: Pager: Other:	0445/29	.	0815/29	.

Currently on schedule (as of 05/25/10) there is approximately 22 hours of shutdown - expected from SK-SA:

2345/26 to 1040/27 for SK Del

0348/28 to 0930/28 for SK Del

1510/28 to 2030/28 for SK Del

Please contact me if you have any questions.

Jesse Clemmer
780 420 5139



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com@IPL,
Brian.Buck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL,
pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com@LPL,
Steve.Booth@exchange.uspl.enbridge.com@LPL, Garry.Thompson@exchange.uspl.enbridge.com@LPL,
Thomas.Steadman@cnplexch.enbridge.com@IPL, Griffith PLM Crew, Bay City Technicians, Sarnia PLM,
Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com@IPL,
Christine.Neff@cnplexch.enbridge.com@IPL, Tom.Sims@exchange.uspl.enbridge.com@LPL,
Marc.Curry@exchange.uspl.enbridge.com@LPL, Frank.Roberts@exchange.uspl.enbridge.com@LPL,
Yvan.Hubert@cnplexch.enbridge.com@IPL, Oscar.Khazam@cnplexch.enbridge.com@IPL,
Jesse.Clemmer@cnplexch.enbridge.com@IPL
Subject: Re: Line 6B Cleaning and Caliper Tool Run - SK to RW <6> 

6-SA-2 launched at 19:38 mst

thanks, Stephanie Smith



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com@LPL, Steve.Booth@exchange.uspl.enbridge.com@LPL, Garry.Thompson@exchange.uspl.enbridge.com@LPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com@IPL, Christine.Neff@cnplexch.enbridge.com@IPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Marc.Curry@exchange.uspl.enbridge.com@LPL, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Yvan.Hubert@cnplexch.enbridge.com@IPL, Oscar.Khazam@cnplexch.enbridge.com@IPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL
Subject: Re: Line 6B Cleaning and Caliper Tool Run - SK to RW <6> 

6-SA-2 launched at 19:38 mst

thanks, Stephanie Smith



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com@LPL, Steve.Booth@exchange.uspl.enbridge.com@LPL, Garry.Thompson@exchange.uspl.enbridge.com@LPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com@IPL, Christine.Neff@cnplexch.enbridge.com@IPL, Marc.Curry@exchange.uspl.enbridge.com@LPL, Frank.Roberts@exchange.uspl.enbridge.com@LPL, Yvan.Hubert@cnplexch.enbridge.com@IPL, Oscar.Khazam@cnplexch.enbridge.com@IPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL
Subject: Re: Line 6B Cleaning and Caliper Tool Run - SK to RW <6> 

6SA1 launched @ 16:10 MST, Wednesday, May 26th.



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Bill.Burdeau@exchange.uspl.enbridge.com@LPL, Dean.Rawson@exchange.uspl.enbridge.com@LPL, Peter.Grames@exchange.uspl.enbridge.com@LPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, Bay City PLM/LPL@LPL, Bay City Technicians, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3, CCO Shift Lead, Tim.Li@cnplexch.enbridge.com@IPL, William.Luu@cnplexch.enbridge.com@IPL, Munir.Ahmad@cnplexch.enbridge.com, Phil.Martin@cnplexch.enbridge.com@IPL, James.Sigurdson@cnplexch.enbridge.com@IPL, Tom.Fridel@exchange.uspl.enbridge.com@LPL, Don.Lindsey@exchange.uspl.enbridge.com@LPL, Gary.Kosch@cnplexch.enbridge.com@IPL, Curt.Goeson@cnplexch.enbridge.com@IPL, Blaine.Reinbolt@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line Shut Down Line 6B - Trap Installation SK - Stockbridge <6,SK> Rev 1

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	May 05, 2010
Request Number:	SK-82
Request Date:	May 05, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	May/10/2010 02:00 MST	May/12/2010 02:00 MST	48.00 hours
6B	1900	May/12/2010 02:00 MST	May/12/2010 22:00 MST	20.00 hours
6B	0	May/12/2010 22:00 MST	May/13/2010 06:00 MST	8.00 hours
6B	1450	May/13/2010 06:00 MST	May/15/2010 06:00 MST	48.00 hours

Approval Description:

Rev 1. Shedule updated

Line Shut Down Line 6B – Trap Installation SK - Stockbridge
{0400 MST May 10 to 0700 MST May 15}

Proceed with plans to install new scraper traps on Line 6B at Stockbridge. Replacement of the Line 6B SK PCV will also occur during this outage, as will relocation of the Line 17 holding transmitters. PCS will be affected, MBS will not be affected.

A stopple installation downstream of SK station is required for this work: CCO will not be able to monitor the pressure at this stopple as the job procedure requires mainline valve MP 661.39 to be closed. Field will need to monitor pressure at this stopple locally. In addition to this, Line 6B operator is requested not to exceed the following:

Shutdown: **200 psi** suction at HW, **200 psi** discharge at MR

Impact:

Exact start of shut down is dependent on arrival of batch at SC-724 at Stockbridge - FWR will be revised with updated schedule as the week progresses.

0200 MST May 10th to 0200 MST May 12th - Line 6B shutdown from GT to SA (48 hours)

The Line 6B shutdown will start one hour into batch # SC-724 delivery at Stockbridge.

0200 MST May 12th to 2200 MST May 12th - Line 6B running at 1900 m3/hr from GT to SK (20 hours)

Scheduled Line 6B delivery rate is 1900 M3/hr GT-SK

Field will ensure changes to Line 17 holding transmitters are complete prior to this work.

2200 MST May 12th to 0600 MST May 13th - Line 6B shutdown from GT to SA (8 hours)

The shutdown will start upon arrival of arrives at Stockbridge.

0600 MST May 13th to 0600 MST May 15th - Line 6B running 1450 m3/hr GT to SA (48 hours)

Scheduled Line 6B rate is 1450 M3/hr GT-RW (with SK station bypassed)

Field will ensure changes to Line 6B suction/discharge transmitters are complete prior to this work.

Line 17 Will not be affected by this work as scheduling is managing inventories at SK to mitigate impact for Line 17 customers.

Line Fill and Start Up

The start up line procedure and maximum allowable pressure was determined and agreed to in writing by the Regional Manager or their designate and the Control Centre Manager or their designate. The Job Procedure has been located on the Lotus Notes Drive.

Field personnel are requested to contact the Line 6B Operator (8896), by phone, prior to starting and upon completion of each phase of work.

Rich Folkema
780-420-8285
780-239-1562 Cell



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL,
Kim.Campbell@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction - MP 715.0011, 715.4973, 727.2829, 735.4442
<6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	May 14, 2010
Request Number:	HW-35
Request Date:	May 14, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/17/2010 06:00 MST	May/17/2010 16:00 MST	10.00 hours
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours
6B	1890	May/21/2010 06:00 MST	May/21/2010 16:00 MST	10.00 hours
6B	1890	May/22/2010 06:00 MST	May/22/2010 16:00 MST	10.00 hours
6B	1890	May/23/2010 06:00 MST	May/23/2010 16:00 MST	10.00 hours
6B	1890	May/24/2010 06:00 MST	May/24/2010 16:00 MST	10.00 hours
6B	1890	May/25/2010 06:00 MST	May/25/2010 16:00 MST	10.00 hours
6B	1890	May/26/2010	May/26/2010	10.00

06:00 MST 16:00 MST hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -_MP 715.0011, 715.4973, 727.2829, 735.4442

{0600 MST May 17 to 1600 MST May 17
0600 MST May 18 to 1600 MST May 18
0600 MST May 19 to 1600 MST May 19
0600 MST May 20 to 1600 MST May 20
0600 MST May 21 to 1600 MST May 21
0600 MST May 22 to 1600 MST May 22
0600 MST May 23 to 1600 MST May 23
0600 MST May 24 to 1600 MST May 24
0600 MST May 25 to 1600 MST May 25
0600 MST May 26 to 1600 MST May 26 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 715.0011 (SEP = NR)
MP 715.4973(SEP = NR)
MP 727.2829 (SEP = NR)
MP 735.4442 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL,
Kim.Campbell@cnplexch.enbridge.com@IPL

cc:
Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -SK-HW <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	May 14, 2010
Request Number:	SK-87
Request Date:	May 14, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours

Approval Description:
Line 6B (30") Excavating/Assessing/Grinding Restriction -SK-HW

{0600 MST May 18 to 1600 MST May 18
0600 MST May 19 to 1600 MST May 19
0600 MST May 20 to 1600 MST May 20 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

- MP 667.963 (SEP = NR)
- MP 668.015 (SEP = NR)
- MP 668.827 (SEP = NR)
- MP 677.936 (SEP = NR)
- MP 677.973 (SEP = NR)
- MP 667.996 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:
Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -669.9144 and 668.761 Rev 1 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	May 14, 2010
Request Number:	SK-85
Request Date:	May 14, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/17/2010 06:00 MST	May/17/2010 16:00 MST	10.00 hours
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours

Approval Description:
Rev 1: Revised Dates

Line 6B (30") Excavating/Assessing/Grinding Restriction -669.9144 and 668.761

{0600 MST May 17 to 1600 MST May 17
0600 MST May 18 to 1600 MST May 18
0600 MST May 19 to 1600 MST May 19
0600 MST May 20 to 1600 MST May 20 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 669.9144(SEP = 50%MOP = 312) and MP 668.761(SEP = 50%MOP = 312)
Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed

this, the Line 6B operator is requested not to exceed the following:

Flowing: **370 psi** discharge at SK. **170 psi** suction at HW. DPRF = **1**

Shutdown: **250 psi** discharge at SK

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:
Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction - 677.9886 <6>

[Click here](#) to open the approval.

Approved By:	Vienna Zagaj/CNPL/Enbridge
Approval Date:	May 14, 2010
Request Number:	SK-86
Request Date:	May 14, 2010
Requestor:	Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction - 677.9886

{0600 MST May 18 to 1600 MST May 18
0600 MST May 19 to 1600 MST May 19
0600 MST May 20 to 1600 MST May 20 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 677.9886 (SEP = 50%MOP = 312)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **536 psi** discharge at SK. **285 psi** suction at HW. DPRF = **16**
Shutdown: **300 psi** discharge at SK

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -669.9144 and 668.761 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: May 14, 2010

Request Number: SK-85

Request Date: May 14, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/17/2010 06:00 MST	May/17/2010 16:00 MST	10.00 hours
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours
6B	1890	May/21/2010 06:00 MST	May/21/2010 16:00 MST	10.00 hours
6B	1890	May/22/2010 06:00 MST	May/22/2010 16:00 MST	10.00 hours
6B	1890	May/23/2010 06:00 MST	May/23/2010 16:00 MST	10.00 hours
6B	1890	May/24/2010 06:00 MST	May/24/2010 16:00 MST	10.00 hours
6B	1890	May/25/2010 06:00 MST	May/25/2010 16:00 MST	10.00 hours
6B	1890	May/26/2010 06:00 MST	May/26/2010 16:00 MST	10.00 hours

6B 1890 May/27/2010 May/27/2010 10.00
06:00 MST 16:00 MST hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -669.9144 and 668.761

{0600 MST May 17 to 1600 MST May 17
0600 MST May 18 to 1600 MST May 18
0600 MST May 19 to 1600 MST May 19
0600 MST May 20 to 1600 MST May 20
0600 MST May 21 to 1600 MST May 21
0600 MST May 22 to 1600 MST May 22
0600 MST May 23 to 1600 MST May 23
0600 MST May 24 to 1600 MST May 24
0600 MST May 25 to 1600 MST May 25
0600 MST May 26 to 1600 MST May 26
0600 MST May 27 to 1600 MST May 27}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 669.9144(SEP = 50%MOP = 312) and MP 668.761(SEP = 50%MOP = 312)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **370 psi** discharge at SK. **170 psi** suction at HW. DPRF = **1**
Shutdown: **250 psi** discharge at SK

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Kim.Campbell@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 595.4906 and 595.4981 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: May 14, 2010

Request
Number: MD-16

Request Date: May 14, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours
6B	1890	May/21/2010 06:00 MST	May/21/2010 16:00 MST	10.00 hours
6B	1890	May/22/2010 06:00 MST	May/22/2010 16:00 MST	10.00 hours
6B	1890	May/23/2010 06:00 MST	May/23/2010 16:00 MST	10.00 hours
6B	1890	May/24/2010 06:00 MST	May/24/2010 16:00 MST	10.00 hours
6B	1890	May/25/2010 06:00 MST	May/25/2010 16:00 MST	10.00 hours
6B	1890	May/26/2010 06:00 MST	May/26/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 595.4906 and 595.4981

{0600 MST May 18 to 1600 MST May 18
0600 MST May 19 to 1600 MST May 19
0600 MST May 20 to 1600 MST May 20
0600 MST May 21 to 1600 MST May 21
0600 MST May 22 to 1600 MST May 22
0600 MST May 23 to 1600 MST May 23
0600 MST May 24 to 1600 MST May 24
0600 MST May 25 to 1600 MST May 25
0600 MST May 26 to 1600 MST May 26 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 595.4906 (SEP = NR) and MP 595.4981 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL,
Randy.Roach@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 576.3481 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: May 14, 2010

Request
Number: NL-10

Request Date: May 14, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/18/2010 06:00 MST	May/18/2010 16:00 MST	10.00 hours
6B	1890	May/19/2010 06:00 MST	May/19/2010 16:00 MST	10.00 hours
6B	1890	May/20/2010 06:00 MST	May/20/2010 16:00 MST	10.00 hours
6B	1890	May/21/2010 06:00 MST	May/21/2010 16:00 MST	10.00 hours
6B	1890	May/22/2010 06:00 MST	May/22/2010 16:00 MST	10.00 hours
6B	1890	May/23/2010 06:00 MST	May/23/2010 16:00 MST	10.00 hours
6B	1890	May/24/2010 06:00 MST	May/24/2010 16:00 MST	10.00 hours
6B	1890	May/25/2010 06:00 MST	May/25/2010 16:00 MST	10.00 hours
6B	1890	May/26/2010 06:00 MST	May/26/2010 16:00 MST	10.00 hours
6B	1890	May/27/2010 06:00 MST	May/27/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 576.3481

{0600 MST May 18 to 1600 MST May 18

0600 MST May 19 to 1600 MST May 19

0600 MST May 20 to 1600 MST May 20

0600 MST May 21 to 1600 MST May 21

0600 MST May 22 to 1600 MST May 22

0600 MST May 23 to 1600 MST May 23

0600 MST May 24 to 1600 MST May 24

0600 MST May 25 to 1600 MST May 25

0600 MST May 26 to 1600 MST May 26

0600 MST May 27 to 1600 MST May 27}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 576.3481 (SEP = NR)
Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work.

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Work Requests <WorkRequests@enbridge.com>
cc:
Subject: Job procedure Stockbridge 6B Trap Replacement <6,SK>

Richard Folkema
Control Center Operations
780-239-1562 (cell)
780-420-8285

From: Ian Melligan
Sent: Wednesday, May 05, 2010 9:52 AM
To: Peter Grames
Cc: Vincent Kolbuck; Bill Burdeau; Dean Rawson; Tom Fridel; CCO Shift Lead; CCOLT; CCO Engineers
Subject: FW: Job procedure Stockbridge 6B Trap Replacement

Approved on behalf of Control Centre Operations

Ian Melligan
Manager, Control Centre Operations

From: Richard Folkema
Sent: Wednesday, May 05, 2010 9:38 AM
To: Ian Melligan
Cc: James Sigurdson
Subject: Job procedure Stockbridge 6B Trap Replacement

Ian,

Please approve the following procedure for work at Line 6B Stockbridge on May 10-14th
James and I have reviewed the procedure

Richard Folkema
Control Center Operations
780-239-1562 (cell)
780-420-8285

From: Richard Folkema
Sent: Wednesday, May 05, 2010 9:32 AM
To: Peter Grames; Vincent Kolbuck; Bill Burdeau; Dean Rawson; Tom Fridel
Cc: Phil Martin; Munir Ahmad; William Luu; Tim Li; James Sigurdson
Subject: RE: Updated Stockbridge procedures

Hi Peter,

Here are our comments:

1.] Downstream stopple only (none upstream – This is a change from our last attempt).

Downstream stopple will be upstream of closed Mainline valve 661.39- CCO will not be able to monitor the pressure across it, must be monitored by Field.

2.] We are reminding SCADA here of this job: New operator PCS screen was previously reviewed and o.k.'d last fall.

SCADA will need to support commissioning (including new PCV)

3.] New valve commissioning lists 6-TBV-1 twice, and misses 6-BV-1

4.] Last year there was another Project Engineer who was using the outage time to upgrade the PT's on Line 17 at Stockbridge

- I assume there is no scope relating to this on this time around that we need to talk about.

We will return final CCO final approval shortly,

Richard Folkema
Control Center Operations
780-239-1562 (cell)
780-420-8285



WP- Stockbridge Traps 05-02-10.doc



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com, Brian.Buck@exchange.uspl.enbridge.com, Rusty.Smith@exchange.uspl.enbridge.com, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com, Steve.Booth@exchange.uspl.enbridge.com, Garry.Thompson@exchange.uspl.enbridge.com, Thomas.Steadman@cnplexch.enbridge.com, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com, Christine.Neff@cnplexch.enbridge.com, Tom.Sims@exchange.uspl.enbridge.com, Marc.Curry@exchange.uspl.enbridge.com, Frank.Roberts@exchange.uspl.enbridge.com, Yvan.Hubert@cnplexch.enbridge.com, Oscar.Khazam@cnplexch.enbridge.com, Jesse.Clemmer@cnplexch.enbridge.com
Subject: Re: Line 6B Cleaning and Caliper Tool Run - GT to RW<6> 📎

6SA2 was in the trap at 09:05MST May 5/2010

thanks

Greg



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Bill.Burdeau@exchange.uspl.enbridge.com@LPL, Dean.Rawson@exchange.uspl.enbridge.com@LPL, Peter.Grames@exchange.uspl.enbridge.com@LPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, Bay City PLM/LPL@LPL, Bay City Technicians, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3, CCO Shift Lead, Tim.Li@cnplexch.enbridge.com@IPL, William.Luu@cnplexch.enbridge.com@IPL, Munir.Ahmad@cnplexch.enbridge.com, Phil.Martin@cnplexch.enbridge.com@IPL, James.Sigurdson@cnplexch.enbridge.com@IPL, Tom.Fridel@exchange.uspl.enbridge.com@LPL, Don.Lindsey@exchange.uspl.enbridge.com@LPL, Gary.Kosch@cnplexch.enbridge.com@IPL, Curt.Goeson@cnplexch.enbridge.com@IPL, Blaine.Reinbolt@cnplexch.enbridge.com@IPL

cc:
Subject: Line Shut Down Line 6B - Trap Installation SK - Stockbridge <6,SK>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	May 05, 2010
Request Number:	SK-82
Request Date:	May 05, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	May/10/2010 04:00 MST	May/12/2010 04:00 MST	48.00 hours
6B	1900	May/12/2010 04:00 MST	May/13/2010 00:00 MST	20.00 hours
6B	0	May/13/2010 00:00 MST	May/13/2010 08:00 MST	8.00 hours
6B	1450	May/13/2010 08:00 MST	May/15/2010 08:00 MST	48.00 hours

Approval Description:

Line Shut Down Line 6B – Trap Installation SK - Stockbridge

{0400 MST May 10 to 0700 MST May 15}

Proceed with plans to install new scraper traps on Line 6B at Stockbridge. Replacement of the Line 6B SK PCV will also occur during this outage, as will relocation of the Line 17 holding transmitters. PCS will be affected, MBS will not be affected.

A stopple installation downstream of SK station is required for this work: CCO will not be able to monitor the pressure at this stopple as the job procedure requires mainline valve MP 661.39 to be closed. Field will need to monitor pressure at this stopple locally. In addition to this, Line 6B operator is requested not to exceed the following:

Shutdown: **200 psi** suction at HW, **200 psi** discharge at MR

Impact:

Exact start of shut down is dependent on arrival of batch at SC-724 at Stockbridge - FWR will be revised with updated schedule as the week progresses.

0400 MST May 10th to 0400 MST May 12th - Line 6B shutdown from GT to SA (48 hours)

The Line 6B shutdown will start upon arrival of batch # SC-724 at Stockbridge.

0400 MST May 12th to 0000 MST May 13th - Line 6B running at 1900 m3/hr from GT to SK (20 hours)

Scheduled Line 6B delivery rate is 1900 M3/hr GT-SK

Field will ensure changes to Line 17 holding transmitters are complete prior to this work.

0000 MST May 13th to 0800 MST May 13th - Line 6B shutdown from GT to SA (8 hours)

The shutdown will start upon arrival of arrives at Stockbridge.

0800 MST May 13th to 0800 MST May 15th - Line 6B running 1450 m3/hr GT to SA (48 hours)

Scheduled Line 6B rate is 1450 M3/hr GT-RW (with SK station bypassed)

Field will ensure changes to Line 6B suction/discharge transmitters are complete prior to this work.

Line 17 Will not be affected by this work as scheduling is managing inventories at SK to mitigate impact for Line 17 customers.

Line Fill and Start Up

The start up line procedure and maximum allowable pressure was determined and agreed to in writing by the Regional Manager or their designate and the Control Centre Manager or their designate. The Job Procedure has been located on the Lotus Notes Drive.

Field personnel are requested to contact the Line 6B Operator (8896), by phone, prior to starting and upon completion of each phase of work.

Rich Folkema
780-420-8285
780-239-1562 Cell



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Damir.Grmek@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Sarnia PLM, Christine.Neff@cnplexch.enbridge.com@IPL, William.Ferris@cnplexch.enbridge.com@IPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Terry.McNally@cnplexch.enbridge.com@IPL, CCO Shift Lead, CCO Lines 4/14/6/17/3, CCO Sarnia, CCO Lines 1/9, CCO Lines 5/13, pwicons@gmail.com

cc:

Subject: Delivery Restriction Line 6B,5,9C Delivery line inspection - LS-Lasalle (Shell Take off) <6,9,5> Rev 1

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	May 03, 2010
Request Number:	SA-474
Request Date:	May 03, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
5	3430	May/11/2010 12:00 MST	May/14/2010 12:00 MST	72.00 hours
6B	1890	May/11/2010 12:00 MST	May/14/2010 12:00 MST	72.00 hours
9	1260	May/11/2010 12:00 MST	May/14/2010 12:00 MST	72.00 hours

Approval Description:

Rev 1. Note that CCO does not have status or control of valves 150-CSV-12, 150-CSV-21, 150-DELV-13.

Field will need to confirm 150-CSV-12 and 150-DELV-13 have been returned to service upon completion of work.

Delivery Restriction Line 6B,5,9C Delivery line inspection - LS-Lasalle (Shell Take off)
{1200 MST May 11 to 1200 MST May 14}

Proceed with plans to perform a series of in line inspections on the delivery line from Enbridge Lasalle Take off to Shell Refinery. The delivery line will be drained and a series of nitrogen gas pushed and tether tools will be put through the line. Upon completion of the inspection, the delivery line will be filled from Shell Tankage back to Enbridge Lasalle facility.

Line Impact:

A 72 hour delivery restriction to LS-Lasalle (Shell) from Lines 6B,5,9C is required for this work

Line Fill and Start Up:

The startup line procedure and maximum allowable pressure will be determined and agreed to in writing by the Regional Manager or their designate and the Control Centre Manager or their designate. Procedure will be provided.

Field personnel are requested to contact the Edmonton Control Center Shift Lead (#8899) by phone, prior to starting and upon completion of each phase of work.

Rich Folkema
780-420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Bill.Burdeau@exchange.uspl.enbridge.com@LPL, Dean.Rawson@exchange.uspl.enbridge.com@LPL, Peter.Grames@exchange.uspl.enbridge.com@LPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, Bay City PLM/LPL@LPL, Bay City Technicians, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3, CCO Shift Lead, Tim.Li@cnplexch.enbridge.com@IPL, William.Luu@cnplexch.enbridge.com@IPL, Munir.Ahmad@cnplexch.enbridge.com, Phil.Martin@cnplexch.enbridge.com@IPL, James.Sigurdson@cnplexch.enbridge.com@IPL, Tom.Fridel@exchange.uspl.enbridge.com@LPL, Don.Lindsey@exchange.uspl.enbridge.com@LPL, Gary.Kosch@cnplexch.enbridge.com@IPL, Curt.Goeson@cnplexch.enbridge.com@IPL, Blaine.Reinbolt@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL

cc: Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MD-MR <6> Rev 1

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	May 07, 2010
Request Number:	MD-15
Request Date:	May 07, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	May/10/2010 02:00 MST	May/12/2010 02:00 MST	48.00 hours
6B	0	May/12/2010 22:00 MST	May/13/2010 06:00 MST	8.00 hours

Approval Description:

Rev 1. MP 582.441 added, limits revised
Line 6B (30") Excavating/Assessing/Grinding Restriction -MD-MR

{0200 MST May 10 to 0200 MST May 12
2200 MST May 12 to 0600 MST May 13}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 685.456 (SEP = 355 psi)
Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Shutdown: **250 psi** discharge at MD. **210 psi** suction at MR

Line Impact:

This work requires a Line 6B shutdown GT-SK, but will not impact Line 6B scheduled rate as it is being scheduled to coincide with the Stockbridge trap replacement outage

0200 MST May 10th to 0200 MST May 12th - Line 6B shutdown from GT to SA (48 hours)

and

2200 MST May 12th to 0600 MST May 13th - Line 6B shutdown from GT to SA (8 hours)

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Rich Folkema
(780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Bill.Burdeau@exchange.uspl.enbridge.com@LPL, Dean.Rawson@exchange.uspl.enbridge.com@LPL, Peter.Grames@exchange.uspl.enbridge.com@LPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, Bay City PLM/LPL@LPL, Bay City Technicians, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3, CCO Shift Lead, Tim.Li@cnplexch.enbridge.com@IPL, William.Luu@cnplexch.enbridge.com@IPL, Munir.Ahmad@cnplexch.enbridge.com, Phil.Martin@cnplexch.enbridge.com@IPL, James.Sigurdson@cnplexch.enbridge.com@IPL, Tom.Fridel@exchange.uspl.enbridge.com@LPL, Don.Lindsey@exchange.uspl.enbridge.com@LPL, Gary.Kosch@cnplexch.enbridge.com@IPL, Curt.Goeson@cnplexch.enbridge.com@IPL, Blaine.Reinbolt@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL

cc:
 Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MD-MR <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	May 07, 2010
Request Number:	MD-15
Request Date:	May 07, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	May/10/2010 02:00 MST	May/12/2010 02:00 MST	48.00 hours
6B	0	May/12/2010 22:00 MST	May/13/2010 06:00 MST	8.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MD-MR

{0200 MST May 10 to 0200 MST May 12
 2200 MST May 12 to 0600 MST May 13}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 685.456 (SEP = 355 psi)
Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Shutdown: **250 psi** discharge at MD. **280 psi** suction at MR

Line Impact:

This work requires a Line 6B shutdown GT-SK, but will not impact Line 6B sheduled rate as it is being scheduled to coincide with the Stockbridge trap replacement outage

0200 MST May 10th to 0200 MST May 12th - Line 6B shutdown from GT to SA (48 hours)

and

2200 MST May 12th to 0600 MST May 13th - Line 6B shutdown from GT to SA (8 hours)

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Rich Folkema
(780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Bill.Burdeau@exchange.uspl.enbridge.com@LPL, Dean.Rawson@exchange.uspl.enbridge.com@LPL, Peter.Grames@exchange.uspl.enbridge.com@LPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, Bay City PLM/LPL@LPL, Bay City Technicians, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3, CCO Shift Lead, Tim.Li@cnplexch.enbridge.com@IPL, William.Luu@cnplexch.enbridge.com@IPL, Munir.Ahmad@cnplexch.enbridge.com, Phil.Martin@cnplexch.enbridge.com@IPL, James.Sigurdson@cnplexch.enbridge.com@IPL, Tom.Fridel@exchange.uspl.enbridge.com@LPL, Don.Lindsey@exchange.uspl.enbridge.com@LPL, Gary.Kosch@cnplexch.enbridge.com@IPL, Curt.Goeson@cnplexch.enbridge.com@IPL, Blaine.Reinbolt@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL

cc:
Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -HW-SA <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	May 07, 2010
Request Number:	SK-83
Request Date:	May 07, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	May/10/2010 02:00 MST	May/13/2010 06:00 MST	76.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -HW-SA

{0200 MST May 10 to 0600 MST May 13}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 685.456 (SEP = 355 psi), 690.011 (SEP = 312 psi) 727.282 (SEP = 312 psi), 735.444 (SEP = 312). Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed

this, the Line 6B operator is requested not to exceed the following:

Shutdown: **180 psi** discharge at HW. **220 psi** suction at SA

Line Impact:

This work requires a Line 6B shutdown SK-SA, but will not impact Line 6B sheduled rate as it is being scheduled to coincide with the Stockbridge trap replacement outage

0200 MST May 10th to 0200 MST May 12th - Line 6B shutdown from GT to SA (48 hours)

0200 MST May 12th to 2200 MST May 12th - Line 6B shutdown from SK-SA (Line 6B running at 1900 m3/hr from GT with deliveries to SK) (20 hours)

2200 MST May 12th to 0600 MST May 13th - Line 6B shutdown from GT to SA (8 hours)

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Rich Folkema
(780) 420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Jonathan.Young@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, CCO Lines 4/14/6/17/3, Randy.Roach@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 665.0797 <6> Rev 1

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Apr 30, 2010

Request Number: BC-243

Request Date: Apr 30, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/03/2010 06:00 MST	May/03/2010 16:00 MST	10.00 hours
6B	1890	May/04/2010 06:00 MST	May/04/2010 16:00 MST	10.00 hours
6B	1890	May/05/2010 06:00 MST	May/05/2010 16:00 MST	10.00 hours
6B	1890	May/06/2010 06:00 MST	May/06/2010 16:00 MST	10.00 hours
6B	1890	May/07/2010 06:00 MST	May/07/2010 16:00 MST	10.00 hours
6B	1890	May/08/2010 05:00 MST	May/08/2010 16:00 MST	11.00 hours
6B	1890	May/09/2010 05:00 MST	May/09/2010 16:00 MST	11.00 hours
6B	1890	May/10/2010 05:00 MST	May/10/2010 16:00 MST	11.00 hours

6B	1890	May/11/2010 05:00 MST	May/11/2010 16:00 MST	11.00 hours
6B	1890	May/12/2010 05:00 MST	May/12/2010 16:00 MST	11.00 hours

Approval Description:

Rev 1. MP 668.760, 668.827 added, schedule updated, limits updated

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 665.0797

{0600 MST May 03 to 1600 MST May 03
0600 MST May 04 to 1600 MST May 04
0600 MST May 05 to 1600 MST May 05
0600 MST May 06 to 1600 MST May 06
0600 MST May 07 to 1600 MST May 07
0500 MST May 08 to 1600 MST May 08
0500 MST May 09 to 1600 MST May 09
0500 MST May 10 to 1600 MST May 10
0500 MST May 11 to 1600 MST May 11
0500 MST May 12 to 1600 MST May 12}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 665.0797 (SEP = 312 psi) 668.760 (SEP = 308 psi) and 668.827 (SEP not required)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **319 psi** discharge at SK. **185 psi** suction at HW. DPRF = 1

Shutdown: **240 psi** discharge at SK

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, CCO Field Work, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 749.79 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: May 06, 2010

Request Number: BC-245

Request Date: May 06, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	0	May/06/2010 11:30 MST	May/06/2010 15:00 MST	3.50 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 749.79

{1130 MST May 06 to 1500 MST May 06 }

Proceed with plans to Grind (defect depth 10-40%) Line 6B (30") pipe at MP 749.79 (SEP = 50% MOP = 312)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **490 psi** discharge at HW. **176 psi** suction at RW. DPRF = **3**

Shutdown: **180 psi** discharge at HW

Line Impact:

This work will not limit Line 6B rate as it is scheduled during a Line shutdown.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 749.79 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: May 06, 2010

Request Number: BC-246

Request Date: May 06, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/07/2010 06:00 MST	May/07/2010 14:00 MST	8.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 749.79

{600 MST May 07 to 1400 MST May 07 }

Proceed with plans to Excavating/Assessing/Grinding on Line 6B (30") pipe at MP 749.79 (SEP = 50% MOP = 312)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **490 psi** discharge at HW. **176 psi** suction at RW. DPRF = **3**

Shutdown: **180 psi** discharge at HW

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Jesse.Clemmer@cnplexch.enbridge.com@IPL
cc: CCO Field Work, Kim.Campbell@cnplexch.enbridge.com, Brian.Buck@exchange.uspl.enbridge.com, Rusty.Smith@exchange.uspl.enbridge.com, pwicons@gmail.com, Tom.Sims@exchange.uspl.enbridge.com, Steve.Booth@exchange.uspl.enbridge.com, Garry.Thompson@exchange.uspl.enbridge.com, Thomas.Steadman@cnplexch.enbridge.com, Griffith PLM Crew, Bay City Technicians, Sarnia PLM, Sarnia Electrical, Geoff.Vignal@cnplexch.enbridge.com, Christine.Neff@cnplexch.enbridge.com, Tom.Sims@exchange.uspl.enbridge.com, Marc.Curry@exchange.uspl.enbridge.com, Frank.Roberts@exchange.uspl.enbridge.com, Yvan.Hubert@cnplexch.enbridge.com, Oscar.Khazam@cnplexch.enbridge.com, Jesse.Clemmer@cnplexch.enbridge.com
Subject: Re: Line 6B Cleaning and Caliper Tool Run - GT to RW<6> 📎

6SA2 was in the trap at 09:05MST May 5/2010

thanks

Greg



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, CCO Field Work,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL,
Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -HW - RW Rev1 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Apr 30, 2010

Request Number: BC-244

Request Date: Apr 30, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/03/2010 06:00 MST	May/03/2010 16:00 MST	10.00 hours
6B	1890	May/04/2010 06:00 MST	May/04/2010 16:00 MST	10.00 hours
6B	1890	May/05/2010 06:00 MST	May/05/2010 16:00 MST	10.00 hours
6B	1890	May/06/2010 06:00 MST	May/06/2010 16:00 MST	10.00 hours
6B	1890	May/07/2010 06:00 MST	May/07/2010 16:00 MST	10.00 hours
6B	1890	May/08/2010 06:00 MST	May/08/2010 16:00 MST	10.00 hours
6B	1890	May/09/2010 06:00 MST	May/09/2010 16:00 MST	10.00 hours
6B	1890	May/10/2010 06:00 MST	May/10/2010 16:00 MST	10.00 hours
6B	1890	May/11/2010 06:00 MST	May/11/2010 16:00 MST	10.00 hours
6B	1890	May/12/2010 06:00 MST	May/12/2010 16:00 MST	10.00 hours

Approval Description:**Rev 1: Correct typo**

Line 6B (30") Excavating/Assessing/Grinding Restriction -HW - RW

{0600 MST May 03 to 1600 MST May 03
0600 MST May 04 to 1600 MST May 04
0600 MST May 05 to 1600 MST May 05
0600 MST May 06 to 1600 MST May 06
0600 MST May 07 to 1600 MST May 07
0600 MST May 08 to 1600 MST May 08
0600 MST May 09 to 1600 MST May 09
0600 MST May 10 to 1600 MST May 10
0600 MST May 11 to 1600 MST May 11
0600 MST May 12 to 1600 MST May 12}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 714.7560 (SEP = NR), 723.5272 (SEP = NR), 740.7417 (SEP = NR), 740.7492 (SEP = NR), 746.3848 (SEP = NR), 748.1178 (SEP = NR), 749.7976 (SEP = NR), 736.9975 (SEP = 633), 749.271 (SEP = 563)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **490 psi** discharge at HW. **176 psi** suction at RW. DPRF = **3**

Shutdown: **180 psi** discharge at HW

Line Impact:

This work will not limit Line 6B rate.

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Damir.Grmek@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Sarnia PLM, Christine.Neff@cnplexch.enbridge.com@IPL, William.Ferris@cnplexch.enbridge.com@IPL, Thomas.Steadman@cnplexch.enbridge.com@IPL, Terry.McNally@cnplexch.enbridge.com@IPL, CCO Shift Lead, CCO Lines 4/14/6/17/3, CCO Sarnia, CCO Lines 1/9, CCO Lines 5/13, pwicons@gmail.com

cc:

Subject: Delivery Restriction Line 6B,5,9C Delivery line inspection - LS-Lasalle (Shell Take off) <6,9,5>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	May 03, 2010
Request Number:	SA-474
Request Date:	May 03, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
5	3430	May/11/2010 12:00 MST	May/14/2010 12:00 MST	72.00 hours
6B	1890	May/11/2010 12:00 MST	May/14/2010 12:00 MST	72.00 hours
9	1260	May/11/2010 12:00 MST	May/14/2010 12:00 MST	72.00 hours

Approval Description:

Delivery Restriction Line 6B,5,9C Delivery line inspection - LS-Lasalle (Shell Take off) {1200 MST May 11 to 1200 MST May 14}

Proceed with plans to perform a series of in line inspections on the delivery line from Enbridge Lasalle Take off to Shell Refinery. The delivery line will be drained and a series of nitrogen gas pushed and tether tools will be put through the line. Upon completion of the inspection, the delivery line will be filled from Shell Tankage back to Enbridge Lasalle facility.

Line Impact:

A 72 hour delivery restriction to LS-Lasalle (Shell) from Lines 6B,5,9C is required for this work

Line Fill and Start Up:

The startup line procedure and maximum allowable pressure will be determined and agreed to in writing by the Regional Manager or their designate and the Control Centre Manager or their designate. Procedure will be provided.

Field personnel are requested to contact the Edmonton Control Center Shift Lead (#8899) by phone, prior to starting and upon completion of each phase of work.

Rich Folkema
780-420-8285



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, CCO Field Work, Kim.Campbell@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction - MP 556.0386 and 556.0948 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jul 27, 2010

Request Number: NL-11

Request Date: Jul 27, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours
6B	1880	Jul/29/2010 04:00 MST	Jul/29/2010 14:00 MST	10.00 hours
6B	1880	Aug/03/2010 04:00 MST	Aug/03/2010 14:00 MST	10.00 hours
6B	1880	Aug/04/2010 04:00 MST	Aug/04/2010 14:00 MST	10.00 hours
6B	1880	Aug/05/2010 04:00 MST	Aug/05/2010 14:00 MST	10.00 hours
6B	1880	Aug/06/2010 04:00 MST	Aug/06/2010 14:00 MST	10.00 hours
6B	1880	Aug/07/2010 04:00 MST	Aug/07/2010 14:00 MST	10.00 hours
6B	1880	Aug/08/2010 04:00 MST	Aug/08/2010 14:00 MST	10.00 hours
6B	1880	Aug/09/2010 04:00 MST	Aug/09/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction - MP 556.0386 and 556.0948

0400 MST July 28 to 1400 MST July 28

0400 MST July 29 to 1400 MST July 29

0400 MST August 03 to 1400 MST August 03

0400 MST August 04 to 1400 MST August 04

0400 MST August 05 to 1400 MST August 05

0400 MST August 06 to 1400 MST August 06

0400 MST August 07 to 1400 MST August 07

0400 MST August 08 to 1400 MST August 08

0400 MST August 09 to 1400 MST August 09

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 556.0386 (SEP = 393)

MP 556.0948 (SEP = 383)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **483 psi** discharge at NL. **190 psi** suction at MD. DPRF = **1**

Shutdown: **400 psi** discharge at NL

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj

(780) 420-5180



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 695.9451 & 704.2957 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jul 23, 2010

Request Number: HW-50

Request Date: Jul 23, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours
6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours
6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 695.9451 & 704.2957

{0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 695.9451 (SEP = NR)

MP 704.2957 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions.

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com, Gary.Kosch@cnplexch.enbridge.com@IPL, CCO Shift Lead

cc:

Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>Rev 2

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jul 21, 2010
Request Number:	GT-318
Request Date:	Jul 21, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/24/2010 12:30 MST	Jul/27/2010 14:45 MST	74.25 hours

Approval Description:

Rev 2: corrected landing time at SK

Rev 1: Update due to scheduling change

Line 6B: Cleaning and Crack tool run - GT to SK

{1230 MST July 24 to 1245 MST July 27}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools are batch sensitive and must be launched in a batch suitable to the equipment onboard the crack tool which is also going even on 6B at Stockbridge: Target batch is OSH-701-1 scheduled to inj at Griffith at 12:12/24 MST.

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 2 hours or roughly 4000m³ before the line is shut down for 1 hour to let the pig crews flush, sample and re-calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

The tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

~~~~~  
**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~  
Below is an estimate of the launch and arrival times of the tools based on an average flow rate of **1650/1800 m³/h**.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6SK1 Estimated time	Crack Tool 6SK2 Estimated time
GT	1536.4 9	Name: Cel: Pager Other:	1230/24 (Head of OSH-701-0)	1530/24 (4500 m3 into OSH-701-0)
LA	1597.4 5	Name: Cel: Pager Other:	0115/25	0315/25
NL	1636.2 3	Name: Cel: Pager Other:	1630/25	1830/25
MD	1675.0 0	Name: Cel: Pager Other:	0745/26	0945/26
MR	1705.7 2	Name: Cel: Pager Other:	1945/26	2145/26
SK	1748.6 8	Name: Cel: Pager Other:	1245/27	1445/27

Jesse Clemmer
780-420-5139



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 600.5819 & 600.5889 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jul 23, 2010

Request Number: MD-21

Request Date: Jul 23, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours
6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours
6B	1880	Jul/29/2010 04:00 MST	Jul/29/2010 14:00 MST	10.00 hours
6B	1880	Jul/30/2010 04:00 MST	Jul/30/2010 14:00 MST	10.00 hours
6B	1880	Jul/31/2010 04:00 MST	Jul/31/2010 14:00 MST	10.00 hours
6B	1880	Aug/01/2010 04:00 MST	Aug/01/2010 14:00 MST	10.00 hours
6B	1880	Aug/02/2010 04:00 MST	Aug/02/2010 14:00 MST	10.00 hours
6B	1880	Aug/03/2010 04:00 MST	Aug/03/2010 14:00 MST	10.00 hours
6B	1880	Aug/04/2010 04:00 MST	Aug/04/2010 14:00 MST	10.00 hours
6B	1880	Aug/05/2010 04:00 MST	Aug/05/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 600.5819 & 600.5889

0400 MST July 27 to 1400 MST July 27

0400 MST July 28 to 1400 MST July 28

0400 MST July 29 to 1400 MST July 29

0400 MST July 30 to 1400 MST July 30

0400 MST July 31 to 1400 MST July 31

0400 MST August 1 to 1400 MST August 1

0400 MST August 2 to 1400 MST August 2

0400 MST August 3 to 1400 MST August 3

0400 MST August 4 to 1400 MST August 4

0400 MST August 5 to 1400 MST August 5

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 600.5819 (SEP = NR)

MP 600.5889 (SEP = 557)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no operating limit restrictions. Please use existing limits.

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com, Gary.Kosch@cnplexch.enbridge.com@IPL, CCO Shift Lead

cc:

Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>Rev 1

[Click here](#) to open the approval.

Approved By: Jesse Clemmer/CNPL/Enbridge

Approval Date: Jul 21, 2010

Request Number: GT-318

Request Date: Jul 21, 2010

Requestor: Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/24/2010 12:30 MST	Jul/27/2010 08:45 MST	68.25 hours

Approval Description:

Rev 1: Update due to scheduling change

Line 6B: Cleaning and Crack tool run - GT to SK
{1230 MST July 24 to 0645 MST July 27}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools are batch sensitive and must be launched in a batch suitable to the equipment onboard the crack tool which is also going even on 6B at Stockbridge: Target batch is OSH-701-1 scheduled to inj at Griffith at 12:12/24 MST.

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 2 hours or roughly 4000m3 before the line is shut down for 1 hour to let the pig crews flush, sample and re-calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

The tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has been confirmed that the final tool has passed the station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

~~~~~  
**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~  
Below is an estimate of the launch and arrival times of the tools based on an average flow rate of **1650/1800 m³/h**.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Station	MP	Responsible Person and Contact Information	Cleaning Tool 6SK1 Estmiated time	Crack Tool 6SK2 Estmiated time
GT	1536.4 9	Name: Cel: Pager Other:	1230/24 (Head of OSH-701-0)	1530/24 (4500 m3 into OSH-701-0)
LA	1597.4 5	Name: Cel: Pager Other:	0115/25	0315/25
NL	1636.2 3	Name: Cel: Pager Other:	1630/25	1830/25
MD	1675.0 0	Name: Cel: Pager Other:	0745/26	0945/26
MR	1705.7 2	Name: Cel: Pager Other:	1945/26	2145/26
SK	1748.6 8	Name: Cel: Pager Other:	0645/27	0845/27

Jesse Clemmer
780-420-5139



To: Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Tom.Sims@exchange.uspl.enbridge.com@LPL, Jesse.Clemmer@cnplexch.enbridge.com@IPL, CCO Field Work, Griffith PLM Crew, Griffith Technicians, Bay City PLM Crew, Bay City Technicians, pwicons@gmail.com, Gary.Kosch@cnplexch.enbridge.com@IPL, CCO Shift Lead

cc: Subject: Line 6B: Cleaning and Crack tool run - GT to SK <6>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	Jul 21, 2010
Request Number:	GT-318
Request Date:	Jul 21, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1900	Jul/23/2010 22:45 MST	Jul/27/2010 08:45 MST	82.00 hours

Approval Description:

Line 6B: Cleaning and Crack tool run - GT to SK
{2245 MST July 23 to 0845 MST July 27}

Proceed with plans to run a cleaning tool and a crack tool on line 6B from Griffith (GT) to Stockbridge (SK).

The tools are batch sensitive and must be launched in a batch suitable to the equipment onboard the crack tool which is also going even on 6B at Stockbridge: Target batch is OSH-701-1 scheduled to inj at Griffith at 22:30/23 MST.

The sequence for the work is to launch first cleaning tool (6SK1) 15 min into the head of batch **OSH-701-0**. The pig crew will then wait 2 hours or roughly 4000m3 before the line is shut down for 1 hour to let the pig crews flush, sample and re-calibrate the crack tool for the OSH batch. The line will then be restarted and the crack tool launched.

The tools are not rate sensitive, but this work will have some impact on rate due to the bypass of Marshal station.

Stations are to be bypassed 0.5 hours prior to the arrival of fist tool, and taken off bypass once it has

been confirmed that the final tool has passed the station.

When bypassing stations that do not have mainline suction transmitters, the station suction valve is to remain open to ensure that the suction transmitter is reporting a valid readback to LPM. Station discharge valves must be completely closed during the bypass. Field personnel are responsible for ensuring that a mainline suction transmitter exists.

Responsibilities

~~~~~

**Tool trackers** shall report to the Line operator when a tool is launched and received, when a tool is 1/2 hour upstream of a station or landing location, when a tool has passed a station, and every two hours in between. The information to be provided to the operator shall include the position of a particular tool (MP) and the associated time and date. Tool trackers shall also provide the line operator with appropriate contact names and numbers (including off hours contact numbers in case of an emergency) prior to the start of the tool run.

Tool Tracker 1:

Cel:

Pager:

Other:

Tool Tracker 2:

Cel:

Pager:

Other:

**Field personnel** responsible for bypassing stations or landing tools are requested to provide the Line operator with appropriate contact information. This can be provided anytime after the beginning of the run, but no later than 1 day prior to the estimated time of the responsible person's activity (for runs less than 1 day, the notification should no less than 4 hours). Field personnel are encouraged to contact the line operator during the run for tool positions and estimated arrival times/dates (line operators will not be issuing tool position messages during the run). Where applicable, field personnel are requested to contact the line operator to confirm launch times after 1700 MST of the day preceding the run (to ensure that the next day's pump orders have been received). Field personnel are responsible for operating valves to launch and receive each tool. Station bypasses shall be initiated by field personnel in coordinator with the Line operator and tool trackers.

**The line operator** is responsible for issuing a message (to the recipients of this message) indicating the launch and arrival times of each tool. This message shall be issued twice: immediately after launch time of a tool train, and immediately after arrival time of a tool train. The line operator is responsible for contacting the appropriate field personnel for bypassing stations and landing the tools 2 hours prior to the arrival of the tool at the particular site. If estimated arrival times change significantly during a run, the line operator is responsible for contacting the appropriate field person. The line operator is also requested to contact tool trackers in the event that line rates and schedules change (eg. durations of shut down times).

~~~~~

Below is an estimate of the launch and arrival times of the tools based on an average flow rate of 1900 m³/h.

Please note that the arrival times in this message are estimates and that they can change from day to day due to various operational issues.

Field personnel are requested to contact the Edmonton Control Centre(#8896) for updated times.

Statio	MP	Responsible Person and Contact	Cleaning Tool	Crack Tool 6SK2
--------	----	--------------------------------	---------------	-----------------

n		Information	6SK1	Estmiated time
GT	1536.4 9	Name: Cel: Pager Other:	2245/23 (Head of OSH-701-0)	0145/24 (4500 m3 into OSH-701-0)
LA	1597.4 5	Name: Cel: Pager Other:	1215/24	1415/24
NL	1636.2 3	Name: Cel: Pager Other:	0245/25	0445/25
MD	1675.0 0	Name: Cel: Pager Other:	1715/25	1915/25
MR	1705.7 2	Name: Cel: Pager Other:	1445/26	1645/26
SK	1748.6 8	Name: Cel: Pager Other:	0645/27	0845/27

Note: There is a S/D in this section from 0200/26 to 1200/26 MST
Info is up to date as of 1030/21 MST

Jesse Clemmer
780-420-5139



To: Vienna.Zagaj@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, CCO Field Work

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 720.0430, 720.0506, 720.0729, 720.0806, 720.0881 <6>

[Click here](#) to open the approval.

Approved By: Vienna Zagaj/CNPL/Enbridge

Approval Date: Jul 20, 2010

Request Number: HW-49

Request Date: Jul 20, 2010

Requestor: Vienna Zagaj/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours
6B	1880	Jul/23/2010 04:00 MST	Jul/23/2010 14:00 MST	10.00 hours
6B	1880	Jul/24/2010 04:00 MST	Jul/24/2010 14:00 MST	10.00 hours
6B	1880	Jul/25/2010 04:00 MST	Jul/25/2010 14:00 MST	10.00 hours
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours
6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours
6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 720.0430, 720.0506, 720.0729, 720.0806, 720.0881

{0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22
0400 MST July 23 to 1400 MST July 23
0400 MST July 24 to 1400 MST July 24
0400 MST July 25 to 1400 MST July 25
0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at

MP 720.0430 (SEP = NR)
MP 720.0506 (SEP = NR)
MP 720.0729 (SEP = NR)
MP 720.0806 (SEP = NR)
MP 720.0881 (SEP = NR)

Please note that the pressure will be limited as determined by Pipeline Integrity. In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions.

Line Impact:
This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Vienna Zagaj
(780) 420-5180



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction - SK-HW MP 670.650 <6> Rev 1

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jul 16, 2010

Request Number: SK-100

Request Date: Jul 16, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/20/2010 04:00 MST	Jul/20/2010 14:00 MST	10.00 hours
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours
6B	1880	Jul/23/2010 04:00 MST	Jul/23/2010 14:00 MST	10.00 hours
6B	1880	Jul/24/2010 04:00 MST	Jul/24/2010 14:00 MST	10.00 hours
6B	1880	Jul/25/2010 04:00 MST	Jul/25/2010 14:00 MST	10.00 hours
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours
6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours

6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours
6B	1880	Jul/29/2010 04:00 MST	Jul/29/2010 14:00 MST	10.00 hours

Approval Description:

Rev 1. MP 658.193 added, limits revised

Line 6B - Excavating/Assessing/Grinding Restriction - SK-HW MP 670.650, 658.193

{0400 MST July 20 to 1400 MST July 20
0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22
0400 MST July 23 to 1400 MST July 23
0400 MST July 24 to 1400 MST July 24
0400 MST July 25 to 1400 MST July 25
0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28
0400 MST July 29 to 1400 MST July 29}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 670.650, 658.193
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP: 670.650=NR,
658.193=345 psi).

In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **369 psi** discharge at SK. **150 psi** suction at HW. DPRF = **1**

Shutdown: **290 psi** discharge at SK, **295 psi** suction at HW

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Richard Folkema
(780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, CCO Lines 4/14/6/17/3

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction - MR-SK, MP 622.492 <6> Rev 1

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jul 16, 2010

Request Number: MR-14

Request Date: Jul 16, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/19/2010 07:00 MST	Jul/19/2010 14:00 MST	7.00 hours
6B	1880	Jul/20/2010 04:00 MST	Jul/20/2010 14:00 MST	10.00 hours
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours
6B	1880	Jul/23/2010 04:00 MST	Jul/23/2010 14:00 MST	10.00 hours
6B	1880	Jul/24/2010 04:00 MST	Jul/24/2010 14:00 MST	10.00 hours
6B	1880	Jul/25/2010 04:00 MST	Jul/25/2010 14:00 MST	10.00 hours
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours

6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours
6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours
6B	1880	Jul/29/2010 04:00 MST	Jul/29/2010 14:00 MST	10.00 hours

Approval Description:

Rev 1. July 19th added to schedule

Line 6B - Excavating/Assessing/Grinding Restriction - MR-SK, MP 622.492

{
0700 MST July 19 to 1400 MST July 19
0400 MST July 20 to 1400 MST July 20
0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22
0400 MST July 23 to 1400 MST July 23
0400 MST July 24 to 1400 MST July 24
0400 MST July 25 to 1400 MST July 25
0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28
0400 MST July 29 to 1400 MST July 29
 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 622.492
 Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=NR).
 In order not to exceed this, the Line 6B operator is requested not to exceed the following:

No pressure restrictions are required for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Richard Folkema
 (780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction - GT-LA, MP 487.763 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jul 16, 2010
Request Number:	GT-317
Request Date:	Jul 16, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/20/2010 04:00 MST	Jul/20/2010 14:00 MST	10.00 hours
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours
6B	1880	Jul/23/2010 04:00 MST	Jul/23/2010 14:00 MST	10.00 hours
6B	1880	Jul/24/2010 04:00 MST	Jul/24/2010 14:00 MST	10.00 hours
6B	1880	Jul/25/2010 04:00 MST	Jul/25/2010 14:00 MST	10.00 hours
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours
6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours

6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours
6B	1880	Jul/29/2010 04:00 MST	Jul/29/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction - GT-LA, MP 487.763

{0400 MST July 20 to 1400 MST July 20
0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22
0400 MST July 23 to 1400 MST July 23
0400 MST July 24 to 1400 MST July 24
0400 MST July 25 to 1400 MST July 25
0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28
0400 MST July 29 to 1400 MST July 29}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 487.763
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=NR).
In order not to exceed this, the Line 6B operator is requested not to exceed the following:

No pressure restrictions are required for this work

Line Impact:
This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Richard Folkema
(780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -LA-NL, MP 506.101 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jul 16, 2010
Request Number:	LA-13
Request Date:	Jul 16, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/20/2010 04:00 MST	Jul/20/2010 14:00 MST	10.00 hours
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours
6B	1880	Jul/23/2010 04:00 MST	Jul/23/2010 14:00 MST	10.00 hours
6B	1880	Jul/24/2010 04:00 MST	Jul/24/2010 14:00 MST	10.00 hours
6B	1880	Jul/25/2010 04:00 MST	Jul/25/2010 14:00 MST	10.00 hours
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours
6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours

6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours
6B	1880	Jul/29/2010 04:00 MST	Jul/29/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -LA-NL, MP 506.101

{0400 MST July 20 to 1400 MST July 20
0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22
0400 MST July 23 to 1400 MST July 23
0400 MST July 24 to 1400 MST July 24
0400 MST July 25 to 1400 MST July 25
0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28
0400 MST July 29 to 1400 MST July 29}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 506.101
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=NR).
In order not to exceed this, the Line 6B operator is requested not to exceed the following:

No pressure restrictions are required for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Richard Folkema
(780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction - MR-SK, MP 622.492 <6>

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jul 16, 2010

Request Number: MR-14

Request Date: Jul 16, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/20/2010 04:00 MST	Jul/20/2010 14:00 MST	10.00 hours
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours
6B	1880	Jul/23/2010 04:00 MST	Jul/23/2010 14:00 MST	10.00 hours
6B	1880	Jul/24/2010 04:00 MST	Jul/24/2010 14:00 MST	10.00 hours
6B	1880	Jul/25/2010 04:00 MST	Jul/25/2010 14:00 MST	10.00 hours
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours
6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours

6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours
6B	1880	Jul/29/2010 04:00 MST	Jul/29/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction - MR-SK, MP 622.492

{0400 MST July 20 to 1400 MST July 20
0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22
0400 MST July 23 to 1400 MST July 23
0400 MST July 24 to 1400 MST July 24
0400 MST July 25 to 1400 MST July 25
0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28
0400 MST July 29 to 1400 MST July 29}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 622.492
Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=NR).
In order not to exceed this, the Line 6B operator is requested not to exceed the following:

No pressure restrictions are required for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Richard Folkema
(780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction - MD-MR MP 594.927 <6>

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jul 16, 2010

Request Number: MD-20

Request Date: Jul 16, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/17/2010 04:00 MST	Jul/17/2010 14:00 MST	10.00 hours
6B	1880	Jul/18/2010 04:00 MST	Jul/18/2010 14:00 MST	10.00 hours
6B	1880	Jul/19/2010 04:00 MST	Jul/19/2010 14:00 MST	10.00 hours
6B	1880	Jul/20/2010 04:00 MST	Jul/20/2010 14:00 MST	10.00 hours
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours
6B	1880	Jul/23/2010 04:00 MST	Jul/23/2010 14:00 MST	10.00 hours
6B	1880	Jul/24/2010 04:00 MST	Jul/24/2010 14:00 MST	10.00 hours

6B	1880	Jul/25/2010 04:00 MST	Jul/25/2010 14:00 MST	10.00 hours
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours
6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours
6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours
6B	1880	Jul/29/2010 04:00 MST	Jul/29/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction - MD-MR MP 594.927

0400 MST July 17 to 1400 MST July 17
0400 MST July 18 to 1400 MST July 18
0400 MST July 19 to 1400 MST July 19
0400 MST July 20 to 1400 MST July 20
0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22
0400 MST July 23 to 1400 MST July 23
0400 MST July 24 to 1400 MST July 24
0400 MST July 25 to 1400 MST July 25
0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28
0400 MST July 29 to 1400 MST July 29}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 594.927
 Please note that the pressure will be limited as determined by Pipeline Integrity (SEP=NR).
 In order not to exceed this, the Line 6B operator is requested not to exceed the following:

No pressure restrictions are required for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Richard Folkema
(780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction - SK-HW MP 670.650 <6>

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jul 16, 2010

Request Number: SK-100

Request Date: Jul 16, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/20/2010 04:00 MST	Jul/20/2010 14:00 MST	10.00 hours
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours
6B	1880	Jul/23/2010 04:00 MST	Jul/23/2010 14:00 MST	10.00 hours
6B	1880	Jul/24/2010 04:00 MST	Jul/24/2010 14:00 MST	10.00 hours
6B	1880	Jul/25/2010 04:00 MST	Jul/25/2010 14:00 MST	10.00 hours
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours
6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours

6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours
6B	1880	Jul/29/2010 04:00 MST	Jul/29/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction - SK-HW MP 670.650

{
0400 MST July 20 to 1400 MST July 20
0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22
0400 MST July 23 to 1400 MST July 23
0400 MST July 24 to 1400 MST July 24
0400 MST July 25 to 1400 MST July 25
0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28
0400 MST July 29 to 1400 MST July 29
 }

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 670.650
 Please note that the pressure will be limited as determined by Pipeline Integrity (SEP: 670.650=NR).
 In order not to exceed this, the Line 6B operator is requested not to exceed the following:

No pressure restrictions are required for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Richard Folkema
 (780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Randy.Roach@exchange.uspl.enbridge.com@LPL

cc:
Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.932, 704.177, 707.406, 719.010 <6>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jul 16, 2010
Request Number:	HW-48
Request Date:	Jul 16, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1880	Jul/19/2010 04:00 MST	Jul/19/2010 14:00 MST	10.00 hours
6B	1880	Jul/20/2010 04:00 MST	Jul/20/2010 14:00 MST	10.00 hours
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours
6B	1880	Jul/23/2010 04:00 MST	Jul/23/2010 14:00 MST	10.00 hours
6B	1880	Jul/24/2010 04:00 MST	Jul/24/2010 14:00 MST	10.00 hours
6B	1880	Jul/25/2010 04:00 MST	Jul/25/2010 14:00 MST	10.00 hours
6B	1880	Jul/26/2010 04:00 MST	Jul/26/2010 14:00 MST	10.00 hours

6B	1880	Jul/27/2010 04:00 MST	Jul/27/2010 14:00 MST	10.00 hours
6B	1880	Jul/28/2010 04:00 MST	Jul/28/2010 14:00 MST	10.00 hours

Approval Description:

Line 6B - Excavating/Assessing/Grinding Restriction -MP 688.932, 704.177, 707.406, 719.010

{0400 MST July 19 to 1400 MST July 19
0400 MST July 20 to 1400 MST July 20
0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22
0400 MST July 23 to 1400 MST July 23
0400 MST July 24 to 1400 MST July 24
0400 MST July 25 to 1400 MST July 25
0400 MST July 26 to 1400 MST July 26
0400 MST July 27 to 1400 MST July 27
0400 MST July 28 to 1400 MST July 28}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 688.932, 704.177, 707.406, 719.010

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP: 688.932=NR, 704.177=NR, 719.010=NR, 707.406=562 psi).

In order not to exceed this, the Line 6B operator is requested not to exceed the following:

Flowing: **490 psi** discharge at HW. **190 psi** suction at RW. DPRF = **1**

Shutdown: **450 psi** discharge at HW

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Richard Folkema
(780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, CCO Field Work,
Kim.Campbell@cnplexch.enbridge.com@IPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL,
Randy.Roach@exchange.uspl.enbridge.com@LPL, Vienna.Zagaj@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B - Excavating/Assessing/Grinding Restriction -MP 700.141Rev 1<6>

[Click here](#) to open the approval.

Approved By: Richard
Folkema/CNPL/Enbridge

Approval Date: Jun 30, 2010

Request
Number: HW-46

Request Date: Jun 30, 2010

Requestor: Richard
Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	Jul/06/2010 04:00 MST	Jul/06/2010 14:00 MST	10.00 hours
6B	1890	Jul/07/2010 04:00 MST	Jul/07/2010 14:00 MST	10.00 hours
6B	1890	Jul/08/2010 04:00 MST	Jul/08/2010 14:00 MST	10.00 hours
6B	1890	Jul/09/2010 04:00 MST	Jul/09/2010 14:00 MST	10.00 hours
6B	1890	Jul/10/2010 04:00 MST	Jul/10/2010 14:00 MST	10.00 hours
6B	1880	Jul/13/2010 04:00 MST	Jul/13/2010 14:00 MST	10.00 hours
6B	1880	Jul/14/2010 04:00 MST	Jul/14/2010 14:00 MST	10.00 hours
6B	1880	Jul/15/2010 04:00 MST	Jul/15/2010 14:00 MST	10.00 hours
6B	1880	Jul/16/2010 04:00 MST	Jul/16/2010 14:00 MST	10.00 hours

6B	1880	Jul/17/2010 04:00 MST	Jul/17/2010 14:00 MST	10.00 hours
6B	1880	Jul/18/2010 04:00 MST	Jul/18/2010 14:00 MST	10.00 hours
6B	1880	Jul/19/2010 04:00 MST	Jul/19/2010 14:00 MST	10.00 hours
6B	1880	Jul/20/2010 04:00 MST	Jul/20/2010 14:00 MST	10.00 hours
6B	1880	Jul/21/2010 04:00 MST	Jul/21/2010 14:00 MST	10.00 hours
6B	1880	Jul/22/2010 04:00 MST	Jul/22/2010 14:00 MST	10.00 hours

Approval Description:

Rev 1 - Extend Dates

Line 6B - Excavating/Assessing/Grinding Restriction -MP 700.141

0400 MST July 6 to 1400 MST July 6
0400 MST July 7 to 1400 MST July 7
0400 MST July 8 to 1400 MST July 8
0400 MST July 9 to 1400 MST July 9
0400 MST July 10 to 1400 MST July 10

0400 MST July 13 to 1400 MST July 13
0400 MST July 14 to 1400 MST July 14
0400 MST July 15 to 1400 MST July 15
0400 MST July 16 to 1400 MST July 16
0400 MST July 17 to 1400 MST July 17
0400 MST July 18 to 1400 MST July 18
0400 MST July 19 to 1400 MST July 19
0400 MST July 20 to 1400 MST July 20
0400 MST July 21 to 1400 MST July 21
0400 MST July 22 to 1400 MST July 22}

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 700.141

Please note that the pressure will be limited as determined by Pipeline Integrity (SEP= 546 psi). In order not to exceed this, the Line 6B operator is requested not to exceed the following:

There are no pressure restrictions for this work

Line Impact:

This work will not impact Line 6B rate

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day.

Rich Folkema
(780) 420-8285



To: Richard.Folkema@cnplexch.enbridge.com@IPL, Barbara.Kitagawa@cnplexch.enbridge.com@IPL, Bhavesh.Patel@cnplexch.enbridge.com@IPL, F&CC Schedulers, James.Martin@cnplexch.enbridge.com@IPL, Operations Schedulers, Pipeline Schedulers, Richard.Folkema@cnplexch.enbridge.com@IPL, Rod.Fink@cnplexch.enbridge.com@IPL, Work Requests@IPL, Mihaela.Ciulei@cnplexch.enbridge.com@IPL, Geoff.Pratch@cnplexch.enbridge.com@IPL, Jim.Chipchar@cnplexch.enbridge.com@IPL, David.Phipps@cnplexch.enbridge.com@IPL, CCO Griffith Terminal, Tom.Sims@exchange.uspl.enbridge.com@LPL, Vince.Kolbuck@exchange.uspl.enbridge.com@LPL, Terry.Lau@cnplexch.enbridge.com@IPL, Liana.MacDougall@cnplexch.enbridge.com@IPL, Griffith Technicians, Kameil.Shank@cnplexch.enbridge.com@IPL

cc:

Subject: Cancelled - GT-HD - Booster Pump # 5 Vibration Testing <HD,GT> Rev 1

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 22, 2010
Request Number:	GT-308
Request Date:	Jun 22, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duratio n
n/a	1500	Jun/23/2010 08:00 MST	Jun/23/2010 10:00 MST	2.00 hours
n/a	0	Jun/24/2010 10:00 MST	Jun/24/2010 16:00 MST	6.00 hours

Approval Description:

Rev 1. This work is cancelled due to weather and will be rescheduled at a future date

Cancelled - GT-HD - Booster Pump # 5 Vibration Testing:
0800 MST June 23 to 1600 MST June 23}

Please proceed to support vibration testing at Griffith Terminal - Booster Pumps #5. This testing is being performed to gather operating data on the unit for business development purposes. Test scope will comprise of pumping 1500 m3 of product from GT to HD (approximately 1 hour of runtime), and later returning volumes to their original tankage.

Transfer from GT-HD

Proceed to pump 1500 m3 of product out of GT using Transfer Line #3 from GT to HD from approximately 0800 MST to 1000 MST.

The source tank is Tank # 75 (LLK) and the destination tank is Tank # 1607 (SHB)

The initial TL #3 line fill (780 m3 of SO) will first be displaced To Tank # 1602 : at that point we will then swing to Tank # 1607 for the remainder fo the test.

Approximately 720 m3 will then be put into Tank # 1607 to complete the test - Tank 1607 will be at bottoms prior to start.

During this test, Field will manually partially close the discharge valve downstream of Booster Pump # 5 (no more than 30% closed) to simulate line restriction.

No information will need be recorded by the GT Operator (information gathered at the field level only)

Field Vibration Representative will keep in communication with Griffith Operator throughout testing.

Return of product HD to GT

The oil borrowed for the test will need to be returned to Tank 75 at GT

This will be done after 1400 MST June 23rd, when Line 6B is drawing product directly out of GT.

Transfer Line #3 and Booster Pump #2 or #3 will be used to push borrowed product back to Tank 75

Please swing to Tank 1602 to return the SO line fill to Transfer Line # 3 at end of work.

Line Impact:

This work will not impact scheduled movements in and out of Griffith and Hartsdale.

This work requires a Transfer Line #3 delivery restriction (its use is reserved for this work)

Field personnel are requested to contact the Edmonton Control Centre Griffith Operator (#8870) prior to start of work.

Richard Folkema
780-420-8285
780-239-1562 Cell



To: Richard Folkema <richard.folkema@enbridge.com>, Richard Folkema <richard.folkema@enbridge.com>, CCO Field Work <CCO.Field.Work@enbridge.com>, Geoff Pratch <geoff.pratch@enbridge.com>, Jim Chipchar <jim.chipchar@enbridge.com>, David Phipps <david.phipps@enbridge.com>, "CCO Griffith Terminal" <cco.griffithterminal@enbridge.com>, Tom Sims <Tom.Sims@enbridge.com>, Vincent Kolbuck <Vince.Kolbuck@enbridge.com>, "Terry Lau" <terry.lau@enbridge.com>, Liana Macdougall <liana.macdougall@enbridge.com>, Griffith Technicians <GriffithTechnicians@enbridge.com>, Kameil Shank <kameil.shank@enbridge.com>, Jim Chipchar <jim.chipchar@enbridge.com>, David Phipps <david.phipps@enbridge.com>, CCO Griffith Terminal <cco.griffithterminal@enbridge.com>, Vincent Kolbuck <Vince.Kolbuck@enbridge.com>, Terry Lau <terry.lau@enbridge.com>, "Liana Macdougall" <liana.macdougall@enbridge.com>, Griffith Technicians <GriffithTechnicians@enbridge.com>, Kameil Shank <kameil.shank@enbridge.com>

cc:

Subject: RE: GT-HD - Booster Pump # 5 Vibration Testing <HD,GT>

The testing of Booster Pumps at Griffith for today has been cancelled due to rain and thunderstorms. We will attempt to reschedule at a future date.

From: Richard.Folkema@enbridge.com [mailto:Richard.Folkema@enbridge.com]

Sent: Tuesday, June 22, 2010 6:18 PM

To: Richard_Folkema/CNPL/Enbridge%IPL; CCO_Field_Work%IPL; Geoff_Pratch/CNPL/Enbridge%IPL; Jim_R_Chipchar/CNPL/Enbridge%IPL; David_Phipps/CNPL/Enbridge%IPL; CCO_Griffith_Terminal%IPL; Tom_D_Sims/LPL%IPL; Vince_P_Kolbuck/LPL%IPL; Terry_Lau/CORP/Enbridge%IPL; Liana_C_MacDougall/CNPL/Enbridge%IPL; Griffith_Technicians%IPL; Kameil_Shank/CNPL/Enbridge%IPL; Jim Chipchar; David Phipps; CCO_Griffith_Terminal; Tom Sims; Vincent Kolbuck; Terry Lau; Liana Macdougall; Griffith_Technicians; Kameil Shank

Subject: GT-HD - Booster Pump # 5 Vibration Testing <HD,GT>

[Click here](#) to open the approval.

Approved By: Richard Folkema/CNPL/Enbridge

Approval Date: Jun 22, 2010

Request Number:GT-308

Request Date: Jun 22, 2010

Requestor: Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
n/a	1500	Jun/23/2010 08:00 MST	Jun/23/2010 10:00 MST	2.00 hours
n/a	0	Jun/24/2010 10:00 MST	Jun/24/2010 16:00 MST	6.00 hours

Approval Description:

GT-HD - Booster Pump # 5 Vibration Testing:

0800 MST June 23 to 1600 MST June 23}

Please proceed to support vibration testing at Griffith Terminal - Booster Pumps #5. This testing is being performed to gather operating data on the unit for business development purposes.

Test scope will comprise of pumping 1500 m3 of product from GT to HD (approximately 1 hour of runtime), and later returning volumes to their original tankage.

Transfer from GT-HD

Proceed to pump 1500 m3 of product out of GT using Transfer Line #3 from GT to HD from approximately 0800 MST to 1000 MST.

The source tank is Tank # 75 (LLK) and the destination tank is Tank # 1607 (SHB)

The initial TL #3 line fill (780 m3 of SO) will first be displaced To Tank # 1602 : at that point we will then swing to Tank # 1607 for the remainder fo the test.

Approximately 720 m3 will then be put into Tank # 1607 to complete the test - Tank 1607 will be at bottoms prior to start.

During this test, Field will manually partially close the discharge valve downstream of Booster Pump # 5 (no more than 30% closed) to simulate line restriction.

No information will need be recorded by the GT Operator (information gathered at the field level only)

Field Vibration Representative will keep in communication with Griffith Operator throughout testing.

Return of product HD to GT

The oil borrowed for the test will need to be returned to Tank 75 at GT

This will be done after 1400 MST June 23rd, when Line 6B is drawing product directly out of GT.

Transfer Line #3 and Booster Pump #2 or #3 will be used to push borrowed product back to Tank 75

Please swing to Tank 1602 to return the SO line fill to Transfer Line # 3 at end of work.

Line Impact:

This work will not impact scheduled movements in and out of Griffith and Hartsdale.

This work requires a Transfer Line #3 delivery restriction (its use is reserved for this work)

Field personnel are requested to contact the Edmonton Control Centre Griffith Operator (#8870) prior to start of work.

Richard Folkema
780-420-8285
780-239-1562 Cell

***** IMPORTANT NOTICE*****

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cc:

Subject: GT-HD - Booster Pump # 5 Vibration Testing <HD,GT>

[Click here](#) to open the approval.

Approved By:	Richard Folkema/CNPL/Enbridge
Approval Date:	Jun 22, 2010
Request Number:	GT-308
Request Date:	Jun 22, 2010
Requestor:	Richard Folkema/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duratio n
n/a	1500	Jun/23/2010 08:00 MST	Jun/23/2010 10:00 MST	2.00 hours
n/a	0	Jun/24/2010 10:00 MST	Jun/24/2010 16:00 MST	6.00 hours

Approval Description:

GT-HD - Booster Pump # 5 Vibration Testing:
0800 MST June 23 to 1600 MST June 23}

Please proceed to support vibration testing at Griffith Terminal - Booster Pumps #5. This testing is being performed to gather operating data on the unit for business development purposes. Test scope will comprise of pumping 1500 m3 of product from GT to HD (approximately 1 hour of runtime), and later returning volumes to their original tankage.

Transfer from GT-HD

Proceed to pump 1500 m3 of product out of GT using Transfer Line #3 from GT to HD from approximately 0800 MST to 1000 MST.

The source tank is Tank # 75 (LLK) and the destination tank is Tank # 1607 (SHB)

The initial TL #3 line fill (780 m3 of SO) will first be displaced To Tank # 1602 : at that point we will then swing to Tank # 1607 for the remainder of the test.

Approximately 720 m3 will then be put into Tank # 1607 to complete the test - Tank 1607 will be at bottoms prior to start.

During this test, Field will manually partially close the discharge valve downstream of Booster Pump # 5 (no more than 30% closed) to simulate line restriction.

No information will need be recorded by the GT Operator (information gathered at the field level only)

Field Vibration Representative will keep in communication with Griffith Operator throughout testing.

Return of product HD to GT

The oil borrowed for the test will need to be returned to Tank 75 at GT

This will be done after 1400 MST June 23rd, when Line 6B is drawing product directly out of GT.

Transfer Line #3 and Booster Pump #2 or #3 will be used to push borrowed product back to Tank 75

Please swing to Tank 1602 to return the SO line fill to Transfer Line # 3 at end of work.

Line Impact:

This work will not impact scheduled movements in and out of Griffith and Hartsdale.

This work requires a Transfer Line #3 delivery restriction (its use is reserved for this work)

Field personnel are requested to contact the Edmonton Control Centre Griffith Operator (#8870) prior to start of work.

Richard Folkema
780-420-8285
780-239-1562 Cell



To: Work Requests@IPL, Randy.Roach@exchange.uspl.enbridge.com@LPL, Joe.Richardson@exchange.uspl.enbridge.com@LPL, Rusty.Smith@exchange.uspl.enbridge.com@LPL, Justin.Anderson@exchange.uspl.enbridge.com@LPL, Jeremy.Secord@exchange.uspl.enbridge.com@LPL, Jonathan.Young@exchange.uspl.enbridge.com@LPL, Todd.Schoen@exchange.uspl.enbridge.com@LPL, Kim.Campbell@cnplexch.enbridge.com@IPL, Brian.Buck@exchange.uspl.enbridge.com@LPL, Jim.Schott@exchange.uspl.enbridge.com@LPL, CCO Field Work, Jesse.Clemmer@cnplexch.enbridge.com@IPL

cc:

Subject: Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 677.9366<6B>

[Click here](#) to open the approval.

Approved By:	Jesse Clemmer/CNPL/Enbridge
Approval Date:	May 11, 2010
Request Number:	SK-84
Request Date:	May 11, 2010
Requestor:	Jesse Clemmer/CNPL/Enbridge

Line #	Estimated Rate	Approved Start Date	Approved End Date	Duration
6B	1890	May/13/2010 06:00 MST	May/13/2010 16:00 MST	10.00 hours
6B	1890	May/14/2010 06:00 MST	May/14/2010 16:00 MST	10.00 hours

Approval Description:

Line 6B (30") Excavating/Assessing/Grinding Restriction -MP 677.9366

0600 MST May 12 to 1600 MST May 12
0600 MST May 13 to 1600 MST May 13

Proceed with plans to Excavate/Assess/Grind to the Line 6B (30") pipe at MP 677.9366

As determined by Pipeline Integrity, the pressure will be limited to Safe excavation pressure(SEP=MOP) . In order not to exceed this, the Line 6b operator is requested not to exceed the following:

Flowing

536 psi discharge at SK. 328 psi suction at HW. DPRF= 14
Shutdown

536 psi discharge at SK. 328 psi suction a THW.

Line Impact:

This work will not impact Line 6B rates

Field personnel are requested to contact the Edmonton Control Centre Line 6B console (#8883), by phone, prior to starting and upon completion of the work each day

Jesse Clemmer
(780) 420-5139