

**Pembina Prairie Facilities Ltd.'s
Commitments Tracking Table for the Vantage Pipeline - Completed Commitments as of December 20, 2018**

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
Commitment No. 5	<p>Pipeline Risk Assessment Vantage shall:</p> <p>(a) file with the Board, at least 60 days prior to the commencement of pipeline risk assessment for the Project. The finalized risk assessment construction, finalized shall include, but not be limited to, an assessment of all hazards and associated consequences. Populated areas shall be given special consideration in the assessment of the hazards and implementation of the preventative and mitigative measures;</p> <p>(b) engage an independent third party expert to verify Vantage's finalized risk assessment for the Project. The verification shall ensure, but not be limited to, the adequacy of the risk assessment as well as the effectiveness of Vantage's proposed preventative and</p>	NEB Certificate OC-059 Condition 5	NEB	Vantage	Pre-construction	Complete	<p>On July 16, 2012 Certificate OC-059 Condition 5(a) was fulfilled; Vantage retained Dynamic Risk Assessment Systems Inc. to prepare the Pre-Construction Quantitative Risk Assessment Report and a 16.1 Confidentiality Request (NEB Filing ID A42885)</p> <p>On August 1, 2012 the NEB filed a Correspondence where a request for 16.1 status was denied. Protected B status granted (NEB Filing ID A43217)</p> <p>On May 17, 2012 Certificate OC-059 Conditions 5(b) and 5(c) were fulfilled, for approval by the NEB, to engage Dr. Alan Murray to act an independent third party expert to verify the finalized Pipeline Risk Assessment (NEB Filing ID A41584)</p> <p>On June 22, 2012 the NEB filed a Correspondence approving Dr. Alan Murray to act as an independent third party expert to verify the finalized Pipeline Risk Assessment (NEB Filing ID A42355)</p> <p>On August 2, 2012 Certificate OC-059 Condition 5(d) was fulfilled; a report prepared by Dr. Alan Murray verified the finalized Pipeline Risk Assessment for the Project (NEB Filing ID A43250)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>mitigative measures to address the identified risks;</p> <p>(c) file for approval with the Board, at least 60 days prior to the commencement of construction, the proposed independent third party expert's name including his or her qualifications, experience and evidence demonstrating the expert's independence from Vantage; and</p> <p>(d) file with the Board, at least 30 days prior to the commencement of construction, are prepared by the third party expert that verifies the finalized risk assessment for the Project.</p>						

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
<p>Commitment No. 6</p>	<p>Environmental Protection Plan Vantage shall file with the Board for approval, at least 90 days prior to the commencement of construction, an updated project-specific Environmental Protection Plan (EPP).</p> <p>The EPP shall be a comprehensive compilation of all environmental and socio-economic protection procedures, mitigation measures and monitoring commitments, as set out in Vantage’s application for the Project, subsequent filings, or as otherwise agreed to during questioning or in its related submissions, or through consultations with other government authorities. The EPP shall describe the criteria for implementing all procedures admeasures, and shall use clear and unambiguous language that confirms Vantage’s intention to implement all of its commitments.</p> <p>The EPP shall include, but not be limited to, the following elements: (a) environmental protection procedures and plans applicable to all Project</p>	<p>NEB Certificate OC-059 Condition 6</p>	<p>NEB</p>	<p>Vantage</p>	<p>Pre-construction</p>	<p>Complete</p> <p>The NEB approved on August 30, 2012 (NEB Filing ID A46126)</p>	<p>On May 31, 2012 Vantage filed its EPP, together with its update Environmental Alignment Sheets (NEB Filing ID A41886)</p> <p>On August 9, 2012 Vantage filed an updated EPP (NEB Filing ID A43968)</p> <p>On August 20, 2012 Vantage filed an updated EPP (NEB Filing ID A45061)</p> <p>On August 23, 2012 Additional Information was filed in respect of the EPP (NEB Filing ID A45315)</p> <p>On August 30, 2012 the NEB filed a Correspondence approving the filings and asking Vantage to implement and follow it accordingly (NEB Filing ID A46126)</p> <p>On March 4, 2013 the NEB filed a Correspondence to amend the Environmental Protection Plan (NEB Filing ID A50688)</p> <p>On March 26, 2013 a column in the Table A-28c, titled “Proposed Crossing Methods 18 July 2012”, designated the crossing method as “open-cut”. Vantage proposed that all the items listed as “open-cut” in EPP Table A-28c will have a trenchless crossing method as a contingency (NEB Filing ID A51012)</p> <p>On April 18, 2013 The NEB approved Vantage’s A51012 filing as long as all other commitments in the EPP with respect to wetland protection and restoration still apply (NEB Filing ID A51427)</p> <p>On November 15, 2013 Vantage submitted an updated Wetland Compensation and Monitoring Plan (NEB Filing ID A55282)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>phases and activities, including:</p> <ul style="list-style-type: none"> i) site-specific plans, ii) criteria for implementing the procedures, iii) mitigation measures, and iv) monitoring plans; <p>(b) policies and procedures for environmental training;</p> <p>(c) the reporting structure for environmental management during construction, including the qualifications, roles, responsibilities and decision-making authority for each job title identified in the EPP;</p> <p>(d) management of air and noise emissions;</p> <p>(e) an updated Weed Management Plan;</p> <p>(f) a contingency plan for trenchless watercourse crossings, including the criteria that will be applied to determine when this crossing method will be used on a case by case basis;</p> <p>(g) updated Environmental Alignment Sheets and Watercourse Data Sheets;</p> <p>(h) a reclamation plan for those areas not covered by</p>						

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>the Native Prairie Protection Plan and Monitoring Program, which includes a description of the condition to which the applicant intends to reclaim and maintain the RoW once the construction has been completed, including a description of measurable goals for reclamation; and</p> <p>(i) evidence of consultation with appropriate regulatory authorities regarding the EPP.</p>						
<p>Commitment No. 7</p>	<p>Native Prairie Protection Plan and Monitoring Program Vantage shall file with the Board for approval, at least 60 days prior to the commencement of construction, a Native Prairie Protection Plan and Monitoring Program for the protection and reclamation of native prairie. The Plan and Program shall include, but not be limited to, the following components:</p> <p>(a) the locations where native prairie protection and monitoring will be applied, on a map or Environmental Alignment Sheets;</p>	<p>NEB Certificate OC-059 Condition 7</p>	<p>NEB</p>	<p>Vantage</p>	<p>Pre-construction</p>	<p>Complete</p>	<p>On August 23, 2012 Additional Information was filed (NEB Filing ID A45315)</p> <p>On August 30, 2012 the NEB filed a Correspondence approving the filings and asking Vantage to implement and follow it accordingly (NEB Filing ID A46126)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>(b) goals and measurable objectives for mitigation and reclamation;</p> <p>(c) mitigation measures, including a discussion of the anticipated effectiveness of the proposed measures and locations or conditions that may have specific challenges;</p> <p>(d) criteria to determine if mitigation and reclamation goals have been met;</p> <p>(e) protocol or methodology for monitoring the success of mitigation measures and progress of reclamation;</p> <p>(f) frequency, timing and locations of monitoring and the rationale for each;</p> <p>(g) evidence of consultation with appropriate federal and provincial authorities on the Plan; and</p> <p>a schedule for filing monitoring reports for native prairie protection and reclamation with the Board, which shall include the first (1st), third (3rd), fifth (5th) and tenth (10th) years</p>						

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	following the commencement of operation.						
Commitment No. 8	<p>Wildlife Protection Plan Vantage shall file with the Board for approval, at least 60 days prior to the commencement of construction, a Project-specific Wildlife Protection Plan. The Plan shall include, but not limited to, the following components:</p> <ul style="list-style-type: none"> (a) pre-construction survey plans and methods; (b) communication plans for employee awareness and training related to wildlife protection; (c) general mitigation measures and species-specific measures for species at risk and their habitats, including: <ul style="list-style-type: none"> i) measures to avoid traffic mortality to wildlife, ii) goals and measurable objectives for mitigation, and iii) the criteria to determine if mitigation goals have been met; (d) site-specific mitigation measures for species at risk and rationale for those measures; 	NEB Certificate OC-059 Condition 8	NEB	Vantage	Pre-construction	Complete	<p>On August 23, 2012 Additional Information was filed (NEB Filing ID A45315)</p> <p>On August 30, 2012 the NEB filed a Correspondence approving the filings and asking Vantage to implement and follow it accordingly (NEB Filing ID A46126)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>(e) the protocol or methodology for monitoring;</p> <p>(f) frequency, timing and locations of monitoring and the rationale for each;</p> <p>(g) protocols for how mitigation measures will be adapted based on monitoring results; and</p> <p>(h) evidence confirming consultation with Environment Canada, Canadian Wildlife Service and the appropriate provincial authorities regarding the Plan.</p>						
Commitment No. 9	<p>Construction Schedule Vantage shall file with the Board, at least 30 days prior to the commencement of construction, a construction schedule identifying key construction activities for the Project and shall notify the Board of any modifications to the schedule(s) as such modifications occur.</p>	NEB Certificate OC-059 Condition 9	NEB	Vantage	Pre-construction	Complete	On August 2, 2012 Certificate OC-059 Condition 9 was fulfilled; a Construction Schedule identifying key construction activities for the Project was filed (NEB Filing ID A43250)
Commitment No. 10	<p>Supervisory Control and Data Acquisition (SCADA) System Vantage shall file with the Board, at least 60 days prior to the commencement of construction, a summary of the engineering Supervisory Control and Data</p>	NEB Certificate OC-059 Condition 10	NEB	Vantage	Pre-construction	Complete	On May 3, 2012 Vantage requested to amend Certificate OC-059 Condition #10 as follows: Condition 10 requires the filing of a summary of the engineering SCADA system specification "at least 60 days prior to the commencement of construction". Vantage requests that it be permitted to file the engineering SCADA system specification 60 days prior to the commencement of construction of any pump station(s), which would be consistent with the

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>Acquisition (SCADA) system specification. The specification shall include, but not be limited to, details of the:</p> <ul style="list-style-type: none"> (a) reliability of the SCADA system; (b) safety and security of the SCADA system; (c) parameters that will be monitored by instrumentation; (d) controlling mechanisms of pump station(s) and valve station(s); (e) locations for the remote terminals (RTU) and communications; (f) polling sequence and time; (g) alarm annunciation and acknowledgement; and (h) details on the interface between the SCADA system and the LDS. <p>*Please note that an amendment of this condition was approved on June 29, 2012 (NEB Filing ID A42502) to 60 days prior to construction of the pump stations</p>						<p>requirements of Condition 16. Finalization of SCADA design would be completed in conjunction with pump station design, as the designs are interdependent (NEB Filing ID A41249)</p> <p>On June 29, 2012 the NEB approved Certificate OC-059 Condition 10 request (NEB Filing ID A42502)</p> <p>On September 6, 2012 Vantage filed a Secondary request for Certificate OC-059 Condition 10 amendment (NEB Filing ID A47290) On October 9, 2012 the NEB filed a secondary approval of Certificate OC-059 Condition 10 amendment request (NEB Filing ID A48268)</p> <p>On May 27, 2013 a Report prepared by Sunstone Project Ltd., engineering consultants was filed (NEB Filing ID A52025)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
Commitment No. 11	<p>Quality Assurance Plan Vantage shall file with the Board, at least 30 days prior to the purchase of any materials tube used in the construction of the Project, a Quality Assurance Plan (QAP) for the Project. The QAP shall include, but not be limited to:</p> <ul style="list-style-type: none"> (a) the list of applicable standards and codes; and (b) the quality control process and integrity inspection program for all procured materials. 	NEB Certificate OC-059 Condition 11	NEB	Vantage	Pre-construction	Complete	<p>On March 16, 2012 Materials Quality Assurance Plan was filed (NEB Filing ID A40087)</p> <p>On March 30, 2012 Vantage filed correspondence to the NEB asking that the information filed as part of Certificate Condition 11 be considered under a Section 16.1 confidentiality request (NEB Filing ID A40459)</p> <p>On April 16, 2012 the NEB filed a Correspondence the granting Protected B status, not Section 16.1. Requests pursuant to sections 16.1 and 16.2 of the Act will only be considered for filings relating to regulatory proceedings (applications or other public hearing processes), and matters relating to condition compliance, where the condition is “for approval” of the Board (NEB Filing ID A40818)</p>
Commitment No. 12	<p>Ground Temperature Study Vantage shall file with the Board, at least 30 days prior to purchasing any materials to be used in the construction of the Project:</p> <ul style="list-style-type: none"> (a) a ground temperature study confirming ground temperatures along the pipeline route at a depth of 1.2 meters over a period of 30 years. The study shall include, but not be limited to: <ul style="list-style-type: none"> i) types of soil, ii) the Freezing Index Degree Days, and iii) average frost depths; and 	NEB Certificate OC-059 Condition 12	NEB	Vantage	Pre-construction	Complete	<p>On March 16, 2012 Ground Temperature Study was filed (NEB Filing ID A40087)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	(b) a revised pipe material design temperature for the Project if the study in (a) shows the ground temperature is below - 5°C.						
Commitment No. 13	<p>Horizontal Directional Drill (HDD) Crossings – Design Drawings</p> <p>Vantage shall file with the Board, at least 60 days prior to the commencement of any horizontal directional drill (HDD) activities, the HDD design drawings in both plan and profile views specific to each proposed HDD watercourse and dry land crossing and generic for all proposed HDD wetland crossings. The drawings shall include, but not be limited to, details of:</p> <ul style="list-style-type: none"> (a) the stratigraphy; (b) the proposed drill path and entry and exit locations; and (c) the approximate depths of the “No Drill Zone” relative to the bottom of each crossing. 	NEB Certificate OC-059 Condition 13	NEB	Vantage	Pre-construction	Complete	On July 16, 2012 Vantage filed Certificate OC-059 Condition 13 HDD Crossings – Design Drawings (NEB Filing ID A42892)

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
Commitment No. 14	Horizontal Drill (HDD) Crossings – Drilling Execution Plans Vantage shall file with the Board, at least 60 days prior to the commencement of any horizontal directional drill (HDD) activities, a drilling execution plan specific to each watercourse and dry land crossing and a generic plan for all proposed HDD wetland crossings. The drilling execution plans will be prepared in accordance with CSA Z662-11 Clause 6.2.11.1.	NEB Certificate OC-059 Condition 14 and Transcript 2574	NEB	Vantage	Pre-construction	Complete	On July 16, 2012 Vantage filed Horizontal Drill (HDD) Crossings – Drilling Execution Plans Filing ID A42892)
Commitment No. 15	Change from the Horizontal Directional Drill (HDD) Crossing Method to another Crossing Method In the event that Vantage changes from using the HDD crossing method at a particular crossing, whether to comply with CSA Z662-11 or otherwise, Vantage shall file with the Board at least 3 days prior to construction of the crossing, notice in writing of its intention to follow the approved contingency plan referred to in the Environmental Protection Plan for that crossing and include the results of Vantage’s consultation with Fisheries and Oceans Canada regarding the requirement for an authorization	NEB Certificate OC-059 Condition 15 and Transcript 2398	NEB	Vantage	Pre-construction and Construction	Not Applicable	Not Applicable

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	under subsection 35(2) of the <i>Fisheries Act</i> .						
Commitment No. 16	<p>Pump Station Monitoring and Control System Vantage shall file with the Board, at least 60 days prior to the commencement of construction of any pump station(s), a summary of the engineering specifications for the pump station(s) monitoring and control system. The specification shall include, but not be limited to, a description of the:</p> <ul style="list-style-type: none"> (a) station monitoring and control system such as Programmable Logic Controller; (b) emergency shutdown and its alternative power source; (c) station equipment including auxiliary system; (d) instrumentation; (e) communications with the host SCADA; (f) pump unit start and shutdown operations; (g) pump unit valve opening and closing operations; and (h) safety shutdown systems such as gas and fire detection. 	NEB Certificate OC-059 Condition 16	NEB	Vantage	Pre-construction of Pump Stations	Complete	<p>On September 6, 2012 Vantage requested to vary Certificate OC-059 Condition 16 (NEB Filing ID A47290)</p> <p>On October 9, 2012 the NEB approved Certificate OC-059 Condition 16 variance request (NEB Filing ID A48268)</p> <p>On May 27, 2013 a Report prepared by Sunstone Project Ltd., engineering consultants was filed (NEB Filing ID A52025)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
Commitment No. 17	Security Program Vantage shall confirm with the Board in writing, at least 45 days prior to the commencement of construction, that a Security Program for the Project pursuant to NEB Proposed Regulatory Change 2010-01 has been developed.	NEB Certificate OC-059 Condition 17	NEB	Vantage	Pre-construction	Complete	On May 31, 2012 Vantage confirmed fulfillment of Certificate OC-059 Condition 17 and filed a Security Program for the Project pursuant to NEB Proposed Regulatory Change 2010-01 (NEB Filing ID A41891)
Commitment No. 18	Rare Plants Vantage shall file with the Board, at least 45 days prior to the commencement of construction, a Rare Plant Mitigation Plan. The Plan shall itemize the mitigation option selected for each rare plant site identified in the Environmental Alignment Sheets. In addition, for those sites where avoidance is not the selected mitigation option, the Plan shall explain: <ul style="list-style-type: none"> (a) the rationale for why avoidance is not selected as the mitigation option; (b) how the success of the selected mitigation option will be achieved, based on site-specific conditions and species-specific requirements; and 	NEB Certificate OC-059 Condition 18	NEB	Vantage	Pre-construction	Complete	On May 31, 2012 Vantage filed their Environmental Protection Plan, which contained information on Rare Plants (NEB Filing ID A41886) On August 23, 2012 Additional Information Filing (NEB Filing ID A45315)

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	(c) the results of consultation with appropriate regulatory authorities.						
Commitment No. 19	<p>Wetland Compensation and Monitoring</p> <p>Vantage shall file with the Board, at least 45 days prior to the commencement of construction, a Wetland Compensation and Monitoring Plan. The Plan shall include:</p> <ul style="list-style-type: none"> (a) the extent (hectares) by wetland type that will be impacted by the Project; (b) detailed compensation measures including restoration of existing degraded wetlands, (c) enhancement of existing wetlands, and creation of replacement wetlands; (d) the details of a program to monitor the success of the wetland compensation measures to verify restoration and no net loss of wetland function; and (e) the results of consultation with appropriate regulatory authorities. 	NEB Certificate OC-059 Condition 19	NEB	Vantage	Pre-construction	Complete	<p>On May 31, 2012 Vantage filed their Environmental Protection Plan, which contained information on Wetland Compensation and Monitoring (NEB Filing ID A41886)</p> <p>On October 5, 2012 Vantage updated Wetland Compensation and Monitoring Plan (NEB Filing ID A48199)</p> <p>On July 3, 2013 Vantage updated Wetland Compensation and Monitoring Plan (NEB Filing ID A52682)</p> <p>November 15, 2013 Vantage updated Wetland Compensation and Monitoring Plan (NEB Filing ID A55282)</p>
Commitment No. 20	<p>Traditional Land Use Investigations</p> <p>At least 45 days prior to the commencement of construction,</p>	NEB Certificate OC-059 Condition 20	NEB	Vantage	Pre-construction	Complete The NEB approved on August 30, 2012	On July 23, 2012 Vantage filed the Traditional Land Use Investigations Report to fulfill Certificate OC-059 Condition 20 (NEB Filing ID A432027)

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>Vantage must file with the Board for approval, and serve a copy on Big Bear Band, File Hills Qu'Appelle Tribal Council, Pasqua First Nation, Siksika Nation and Stoney Nakoda Sioux Nation, a report outlining a plan for outstanding traditional land use (TLU) investigations for the Project. The report must include, but not be limited to:</p> <ul style="list-style-type: none"> (a) a summary of the status of TLU investigations undertaken for the Project, including group-specific TLU studies and any supplementary physical, bio-physical and heritage resource field investigation or reconnaissance activities relevant to potentially-affected Aboriginal groups; (b) a summary of the effects of the Project on the current use of lands and resources for traditional purposes identified in the investigations; (c) a summary of the mitigation measures proposed by Vantage or by affected Aboriginal groups to address Project 					(NEB Filing ID A46127)	<p>On August 2, 2012 Vantage updated the Traditional Land Use Investigations Report in fulfillment of Certificate OC-059 Condition 20. Vantage confirmed that it would serve a copy of this Report on Big Bear Band, File Hills Qu'Appelle Tribal Council, Pasqua First Nation, Siksika Nation and Stoney Nakoda Sioux Nation (NEB Filing ID A43250)</p> <p>On August 30, 2012 the NEB approved the Certificate OC-059 Condition 20 filings (NEB Filing ID A46127)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>effects identified in the investigations;</p> <p>(d) a description of how Vantage has incorporated any additional mitigation measures into its Environmental Protection Plan for the Project;</p> <p>(e) a description of any outstanding concerns raised by potentially-affected Aboriginal groups regarding potential Project effects on the current use of lands and resources for traditional purposes, including a description of how these concerns have been or will be addressed by Vantage; and</p> <p>(f) a summary of any outstanding TLU investigations or follow-up activities that will note completed prior to commencing construction, including an explanation for why these will not be completed prior to construction, and an estimated completion date, inapplicable.</p>						
Commitment No. 21	Notice of Construction Overlap	NEB Certificate OC-	NEB	Vantage	Pre-construction	Not applicable	Not Applicable

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>In the event that the Project and the Keystone XL Pipeline (Certificate OC-56) are scheduled for construction between Empress, Alberta and Shaunavon, Saskatchewan at the same time, Vantage shall notify the Board in writing of the construction overlap at least 45 days prior to commencement of construction, or as soon as the proposed construction overlap becomes known to Vantage. Within 15 days of such notice being given, Vantage shall provide the following:</p> <ul style="list-style-type: none"> (a) a Community Impact Monitoring Plan. The Plan shall include, but not be limited to: <ul style="list-style-type: none"> i) a description of activities that may impact residents and community infrastructure including issues or events related to increased noise, and impacts on accommodations, traffic and emergency services, ii) a description of monitoring that will be used to identify potential impacts, and the consultation with relevant agencies regarding the 	059 Condition 21					

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>proposed monitoring program, and</p> <p>iii) a commitment to file a monthly report summarizing the results of the monitoring, any issues identified, and any mitigation to be applied until the commencement of the operation;</p> <p>(b) a workforce accommodation plan, developed in consultation with appropriate municipal or provincial authorities. The Plan shall include, but not be limited to:</p> <p>i) a final summary of all proposed accommodations,</p> <p>ii) the number of workers that will be housed,</p> <p>iii) a description of how the Plan addresses any concerns or requests raised in consultations with municipal or provincial authorities, and</p> <p>iv) in the event that temporary camp(s) are to be used, the Plan shall also include, but not be limited to:</p>						

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>a. description of the location of such temporary camp(s), how the potential environmental and socio-economic impacts have been assessed, and a description of all associated mitigation measures,</p> <p>b. copies of or reference to any mitigation or operational plans that will be required or implemented for the camp(s),</p> <p>c. a description of consultations with potentially affected residents and landowners where camps will be located, including the information provided, and</p> <p>d. a summary of all issues and concerns raised in the consultations and adscription of how the Plan proposes to address the concerns raised;</p>						

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	(c) an update to the Traffic Management Plan, including, but not limited to, a description of: i) any concerns raised by TransCanada and municipal or provincial authorities regarding potential impacts on roadways, and ii) how these concerns are proposed to be addressed.						
Commitment No. 22	Construction Safety Manual Vantage shall file with the Board, at least 30 days prior to the commencement of construction, a Construction Safety Manual for the Project.	NEB Certificate OC-059 Condition 22	NEB	Vantage for the Vantage Pipeline and Empress Pump Station	Pre-construction	Complete	<p>On July 19, 2012 Vantage filed the Construction Safety Manual to fulfill Condition #22 (NEB Filing ID A42959)</p> <p>On August 16, 2012 Vantage submitted the contractors' safety manuals with the NEB and asked for Section 16.1 confidentiality (NEB Filing ID A44862)</p> <p>On August 31, 2012 Section 16.1 was denied. Protected B granted (NEB Filing ID A46785)</p> <p>On May 10, 2013 Section 16.1 confidentiality was requested regarding the contractor's safety manual (NEB Filing ID A51822)</p> <p>On June 6, 2013 the NEB filed correspondence to Vantage denying their Section 16.1 Application (NEB Filing ID A52266)</p> <p>On June 11, 2013 Safety Manual for Big Country Energy Services LLP/Patch Point was filed under a Section 16.1 confidentiality request (NEB Filing ID A52347)</p> <p>On May 22, 2015 Pembina filed its Construction Safety Manual to ensure compliance pursuant to Subsection 20(1) of the NEB Act (NEB Filing ID A70157)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
Commitment No. 23	<p>Traffic Management Plan Vantage shall file with the Board, at least 30 days prior to the commencement of construction, an updated Traffic Management Plan, developed in consultation with appropriate municipal or provincial authorities. The Plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> (a) a description of the predicted traffic flows, including vehicle types and volumes, at key construction points, marshalling areas, access roads and public roadways; (b) all mitigation and traffic management measures for the Project; (c) a description of how the Plan addresses any concerns or requests raised in consultations with municipal or provincial authorities; (d) a description of the traffic that will be permitted on native prairie RoW including vehicle types and expected volumes, and the traffic that will be restricted to existing 	NEB Certificate OC-059 Condition 23	NEB	Vantage	Pre-construction	Complete	<p>On May 31, 2012 Vantage filed their Environmental Protection Plan, which contained information on Traffic Management (NEB Filing ID A41886)</p> <p>On August 29, 2012 Vantage filed their Traffic Management Plan with the NEB in relation to Condition #23. Vantage engaged in consultation with all affected municipalities and indicated to each municipality that a detailed traffic plan will be communicated to them by the pipeline contractors. To date, the pipeline contractors have consulted with the number of Rural Municipalities ("RM"), including the RMs of Deerforks, Lake of the Rivers, Excel, Bengough and The Gap. (NEB Filing ID A45803)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>roads and access roads; and</p> <p>(e) a commitment to assign a traffic monitor at all access points to native prairie during Project construction. This traffic monitor shall have the authority to restrict entry on-essential traffic on the RoW in accordance with the Plan. The traffic monitor shall maintain a log of all traffic entering the RoW on native prairie during the construction period, including all traffic vehicle types.</p>						
<p>Commitment No. 24</p>	<p>Hearing Resources Vantage shall file with the Board, at least 30 days prior to the commencement of construction:</p> <p>(a) copies of correspondence from the Saskatchewan Department of Tourism, Parks, Culture and Sport confirming that Vantage has obtained all of the required archaeological and heritage resource permits and clearances; and</p> <p>(b) a statement on how Vantage proposes to address any comments</p>	<p>NEB Certificate OC-059 Condition 24</p>	<p>NEB</p>	<p>Vantage</p>	<p>Pre-construction</p>	<p>Complete</p>	<p>On August 2, 2012 copies of correspondence from the Saskatchewan Department of Tourism, Parks, Culture and Sport confirming that Vantage has obtained all of the required archaeological and heritage resource permits and clearances in fulfillment of Certificate Condition 24(a). With regards to Certificate OC-059 Condition 24(b), archaeological mitigation measures are listed in the Project's Environmental Protection Plan. Previously recorded heritage sites located close to the Vantage right of way will be flagged and avoided during construction. Those sites which were excavated during the Historical Resources Impact Assessment will be monitored during construction and all cultural material will be collected. An archaeological monitor will be onsite during construction near all recorded heritage sites (NEB Filing ID A43250)</p> <p>On August 16, 2012 Vantage filed a Correspondence with the NEB to fulfill Condition #24 (NEB Filing ID A44866)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	and recommendations contained in the permits and clearances referred to in (a).						
Commitment No. 25	<p>HDD Noise Management Plan At least 30 days prior to the commencement of any HDD activity, Vantage shall file with the Board a noise management plan containing information on day and potential nighttime HDD operations. The plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> (a) a final summary of proposed HDD noise mitigation measures for day and potential night time operations; (b) a commitment to notify residents potentially affected by HDD noise and to provide contact information for Vantage, at least 14 days prior to starting the HDD activities in the event residents have concerns about the HDD noise; and (c) a description of how Vantage plans to address any complaints received regarding HDD noise. 	NEB Certificate OC-059 Condition 25	NEB	Vantage	Pre-construction and Construction	Complete	On August 2, 2012 a HDD Noise Management Plan to fulfill Condition #25 was filed (NEB Filing ID A43250)
Commitment No. 27	Construction Inspection Program	NEB Certificate OC-	NEB	Vantage	Pre-construction	Complete on August 30, 2012	On July 31, 2012 Vantage filed their Construction Inspection Program to fulfill Certificate OC-059 Condition 27 (NEB Filing ID A43180)

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>Vantage shall file with the Board for approval, at least 14 days prior to the commencement of construction, a construction inspection program. The program shall include:</p> <ul style="list-style-type: none"> (a) a detailed list of the number and type of each inspection position, including job descriptions, qualifications, roles, responsibilities, decision-making authority; and (b) reporting structure of personnel responsible for inspection of the various pipeline construction activities, including environment and safety. 	059 Condition 27				(NEB Filing ID A46035)	On August 30, 2012 the NEB approved Vantage's Construction Inspection Program(NEB Filing ID A46035)
During Construction							
Commitment No. 28	<p>Welding and Non-Destructive Examination (NDE) Vantage shall file with the Board, at least 60 days prior to the commencement of any welding carried out during the construction of the Project, a Joining program, which shall include the following:</p> <ul style="list-style-type: none"> (a) a list of Welding Procedure Specifications (WPSs) and the locations where they will be used; 	NEB Certificate OC-059 Condition 28	NEB	Vantage	Pre-construction	Complete	On May 3, 2012 Vantage filed request to amend Certificate OC-059 Condition 28 to state: In accordance with its currently planned, staggered construction process, Vantage anticipates awarding construction contracts relating to pipeline installation in June 2012 and construction contracts relating to pump stations in Q1 2013. The selected construction contractors will then be required to submit proposed welding procedures, complete with applicable Welding Procedure Specifications and Procedure Qualification Records, to Vantage for review and approval. Therefore, Vantage requests that Condition 28 be adjusted so that a joining program relevant to pipeline welding be filed at least 30 days prior to commencement of pipeline welding and a joining program relevant to pump stations and components be filed at least 30 days prior to commencement of welding at pump stations and components (NEB Filing ID A41249)

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	(b) WPSs and supporting Procedure Qualification Records (PQRs) for: i) the pipeline, and ii) the pump station piping and components; (c) non-destructive examination (NDE) procedures for the inspection of welded joints for both the pipeline and the pump station piping and components; and (d) weld acceptance criteria.						<p>On June 29, 2012 the NEB denied Vantage’s Certificate OC-059 Condition 28 request for timing but approved the separation of the programs (NEB Filing ID A42502)</p> <p>On July 20, 2012 Vantage filed the Vantage Pipeline Joining Program in fulfillment of Certificate OC-059 Condition 28 (NEB Filing ID A42995)</p> <p>On August 24, 2012 Vantage filed updated Vantage Pipeline Joining Program in fulfillment of Certificate OC-059 Condition 28 (NEB Filing ID A45382)</p> <p>On September 14, 2012 Revision 2 of the Vantage Pipeline Joining Program was filed (NEB Filing ID A47451)</p> <p>On September 25, 2012 Revision 3 of the Vantage Pipeline Joining Program was filed(NEB Filing ID A47730)</p> <p>On October 3, 2012 Vantage updated Appendix 1 of Revision 3 (NEB Filing ID A48049)</p> <p>On May 30, 2013 Revision 4 of the Vantage Pipeline Joining Program was filed in partial fulfillment of Certificate OC-059 Condition 28. This revision incorporated updates for M&N Construction and A&B Construction fabrication procedures and Kelsey Pipelines welding procedures (NEB Filing ID A52090)</p> <p>On July 9, 2013 Revision 5 of the Vantage Pipeline Joining Program was filed for partial fulfillment of Certificate OC-059 Condition 28. This revision incorporated updates for Big Country Energy Services and Train Oilfield Services related to the construction of the pipeline and pump stations (NEB Filing ID A52804)</p> <p>On July 19, 2013 Revision 6 of the Vantage Pipeline Joining Program was filed for fulfillment of Certificate OC-059 Condition 28. This</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
							revision incorporated updates for Pyramid Process Fabricators related to the construction of the pump stations (NEB Filing ID A52981)
Commitment No. 29	Painting and Coating Specifications Vantage shall file with the Board, at least 60 days prior to any coating or painting of any piping and welded joints, the coating and painting procedures for the Project. These procedures shall include provisions that demonstrate the weld joint coating system would-be compatible with yellow jacket.	NEB Certificate OC-059 Condition 29	NEB	Vantage	Pre-construction	Complete	<p>On September 6, 2012 Vantage submitted the procedure documentation under Protected B status according to the Security Organization and Administration Standard (NEB Filing ID A47295)</p> <p>On September 10, 2012 Vantage submitted the of documentation under Protected B status according to the Security Organization and Administration Standard (NEB Filing ID A47360)</p> <p>On September 24, 2012 Vantage submitted the documentation under Protected B status according to the Security Organization and Administration Standard (NEB Filing ID A47691)</p>
Commitment No. 30	Pressure Testing Program and Drying Procedure Vantage shall file with the Board, at least 60 days prior to the start of any pressure testing associated with the Project, for both the pipeline and pump station piping: <ul style="list-style-type: none"> (a) the pressure testing program; and (b) the pipeline drying procedure. 	NEB Certificate OC-059 Condition 30	NEB	Vantage	Construction	Complete	<p>On May 3, 2012 Vantage requests the condition be adjusted in a manner similar to Certificate OC-059 Condition 28 to allow filing of the relevant pressure testing program and drying procedure at least 60 days prior to the start of any pipeline pressure testing and the filing of the relevant pressure testing program and drying procedure at least 60 days prior to the start of any pump station pressure testing(NEB Filing ID A41249)</p> <p>On March 21, 2013 Vantage received a relaxation to split the condition into separate programs, one for the pipeline and one for the pump stations, as well to provide the programs 45 days prior to pressure testing and a Pipeline Pressure Testing Program and Drying Procedure were filed (NEB Filing ID A50932)</p> <p>On June 29, 2012 the NEB approved the Certificate OC-059 Condition 30 request (NEB Filing ID A42502)</p> <p>On September 10, 2012 Vantage filed Certificate OC-059 Condition 29 under Protected B status (NEB Filing ID A47360)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
							<p>On September 18, 2012 Vantage filed an amendment to Certificate OC-059 Condition 30 Request (NEB Filing ID A47546)</p> <p>On October 2012 the NEB approved of amendment to Certificate OC-059 Condition 30 (NEB Filing ID A48759)</p> <p>On May 24, 2013 Vantage filed the Pipeline Pressure Testing Program Revision 1 (NEB Filing ID A52000)</p> <p>On August 16, 2013 Vantage filed the Pipeline Pressure Testing Program Revision 2 for the pipeline and the facilities, which completed the requirements of Certificate OC-059 Condition 30 (NEB Filing ID A53584)</p>
Commitment No. 31	Pig Launching and Receiving Facilities Vantage shall file with the Board, at least 60 days prior to the commencement of any pressurized operation of the pig launching and receiving facilities, a procedure for the safe operation of this equipment. The procedure shall include, but not be limited to: <ul style="list-style-type: none"> (a) the instructions for the operating personnel in order to operate the pig launching and receiving facilities safely; and (b) the supporting piping and instrumentation diagrams (P&IDs) or adequate drawings for pig launching and receiving facilities that will be used to follow written procedure when 	NEB Certificate OC-059 Condition 31	NEB	Vantage	Construction	Complete	<p>On September 27, 2013 NOVA entered into an agreement with Vantage to operate the Vantage Pipeline. In light of the foregoing, Vantage submitted a NOVA Safe Work Procedures for Pipeline Pigging and Piping & Instrumentation Diagram for a pig launching and receiving facility for Certificate OC-059 Condition 31 (NEB Filing ID A54439)</p> <p>On November 14, 2013 the NEB filed a correspondence to Vantage and NOVA, which denied their Section 16.1 confidentiality request. The NEB did however, grant a Protected B status under the Security Organization and Administration Standard for Certificate OC-059 Condition 31 (NEB Filing ID A55297)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	operating pig launching and receiving facilities.						
Commitment No. 32	<p>General Construction Reporting Vantage shall file construction progress reports with the Board, on a monthly basis, in form satisfactory to the Board. The reports shall include, but not be limited to, information on:</p> <ul style="list-style-type: none"> (a) the activities carried out during the reporting period; (b) any environmental, socio-economic, safety and security issues and issues of noncompliance; and (c) the measures undertaken for the resolution of each issue and non-compliance. 	NEB Certificate OC-059 Condition 32	NEB	Vantage	Construction	Complete	<p>On October 15, 2012, Vantage filed a September, 2012 progress report (NEB Filing ID A48422)</p> <p>On November 12, 2012, Vantage filed a October, 2012 progress report (NEB Filing ID A49129)</p> <p>On December 10, 2012, Vantage filed a November, 2012 progress report (NEB Filing ID A49681)</p> <p>On January 15, 2013, Vantage filed a December, 2012 progress report (NEB Filing ID A50028)</p> <p>On January 31, 2013, Vantage filed a January, 2012 progress report (NEB Filing ID A50574)</p> <p>On March 6, 2013, Vantage filed a February, 2013 progress report (NEB Filing ID A50727)</p> <p>On April 12, 2013, Vantage filed a March, 2013 progress report Filed (NEB Filing ID A51261)</p> <p>On May 14, 2013, Vantage filed a April, 2013 progress report Filed (NEB Filing ID A51854)</p> <p>On June 13, 2013, Vantage filed a May, 2013 progress report Filed (NEB Filing ID A52398)</p> <p>On July 9, 2013, Vantage filed a June, 2013 progress report (NEB Filing ID A52807)</p> <p>On August 12, 2013, Vantage filed a July, 2013 progress report (NEB Filing ID A53495)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
							<p>On September 9, 2013, Vantage filed an August, 2013 progress report (NEB Filing ID A53956)</p> <p>On October 10, 2013, Vantage filed a September, 2013 progress report (NEB Filing ID A54679)</p> <p>On November 12, 2013, Vantage filed a October, 2013 progress report Filed (NEB Filing ID A55216)</p> <p>On December 9, 2013, Vantage filed a November, 2013 progress report (NEB Filing ID A55795)</p>
Commitment No. 33	<p>Operation and Maintenance Manuals</p> <p>Vantage shall confirm with the Board in writing, at least 60 days prior to filing any application for Leave to Open, confirmation that Operation and Maintenance Manuals that provide information and procedures to promote safety, environmental protection and efficiency in the operation of the pipeline have been created</p>	NEB Certificate OC-059 Condition 33	NEB	Vantage	All Phases	Complete	<p>On September 27, 2013 in NOVA's and Vantage's submission, they confirmed that NOVA has created the NOVA Chemicals Corporation Pipeline Operating and Maintenance Manual for NOVA Chemicals, Manufacturing West Pipeline System for Certificate OC-059 Condition 33 (NEB Filing ID A54439)</p> <p>On June 26, 2015 Pembina filed NOVA Chemicals Corporation Pipeline Operating and Maintenance Manual for NOVA Chemicals, Manufacturing West Pipeline System with the NEB (hard copy filed).</p> <p>On May 30, 2016 Pembina hard copy filed NOVA's Operations and Maintenance Manual for Certificate OC-059 Condition 33 (NEB Filing ID A77250)</p> <p>On June 24, 2016, the NEB accepted Pembina's May 30, 2016 filing (NEB Filing ID A77952)</p>
Commitment No. 34	<p>Training and Competency</p> <p>Vantage shall file with the Board, at least 60 days prior to filing any application for Leave to Open, the training and competency program for the employees, contractors and consultants who will be involved in the operation,</p>	NEB Certificate OC-059 Condition 34	NEB	Vantage	Pre-operation for the Vantage Pipeline and Empress	Complete for the Vantage Pipeline and Empress	<p>On September 27, 2013 NOVA entered into an agreement with Vantage to operate the Vantage Pipeline. In light of the foregoing, Vantage submitted the NOVA Maintenance Technician Progression Manual and NOVA Pipeline Technician Progression System for Certificate OC-059 Condition 34 (NEB Filing ID A54439)</p> <p>On November 14, 2013 the NEB filed a Correspondence to Vantage and NOVA, which denied their Section 16.1 confidentiality request.</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>maintenance and integrity of the Project. The training and competency program shall include, but not be limited to, detail son:</p> <p>(a) the personnel qualifications for each position; and</p> <p>(b) the type and frequency of training associated with each position.</p>			Pembina	Pre-operation of Assiniboia	Complete for Assiniboia	<p>The NEB did however grant a Protected B status under the Security Organization and Administration Standard for Certificate OC-059 Condition 34 (NEB Filing ID A55297)</p> <p>On May 10, 2016 Pembina hard copy filed NOVA's Training and Competency documents for Certificate OC-059 Condition 34 (NEB Filing ID A76816)</p>
Commitment No. 35	<p>Leak Detection System (LDS) Manual</p> <p>Vantage shall file with the Board, at least 60 days prior to filing any application for Leave to Open, the Leak Detection System (LDS) manual for the Project. The LDS manual shall include, but not be limited to, the following:</p> <p>(a) senior management policy and commitment to leak detection;</p> <p>(b) the roles, responsibilities, and authorities of personnel in the event of a suspected leak;</p> <p>(c) the theory and rationale for each LDS design and application;</p> <p>(d) the methodology and instrument requirements;</p> <p>(e) the accuracy, reliability, and sensitivity of the LDS;</p>	NEB Certificate OC-059 Condition 35	NEB	Vantage	Pre-Operation for the Vantage Pipeline and Empress	Complete for the Vantage Pipeline and Empress	<p>On September 27, 2013 NOVA entered into an agreement with Vantage to operate the Vantage Pipeline. In light of the foregoing, Vantage submitted the NOVA Pipeline Leak Detection Manual for Certificate OC-059 Condition (NEB Filing ID A54439)</p> <p>On November 14, 2013 the NEB filed a Correspondence to Vantage and NOVA, which denied their Section 16.1 confidentiality request. The NEB did however grant Protected B status under the Security Organization and Administration Standard Certificate OC-059 Condition 34 (NEB Filing ID A55297)</p> <p>On May 10, 2016 Pembina hard copy filed NOVA's Pipeline Leak Detection Manual Revision No. 3 for Certificate OC-059 Condition 35 (NEB Filing ID A76816)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<ul style="list-style-type: none"> (f) leak alarms and diagnostic messaging as well as related procedures; (g) any information to be provided by the LDS to assist in operating the LDS and responding to any potential leak; (h) the estimated maximum amount of ethane released before a leak is detected; (i) the process to be followed with respect to the continuous improvement, nonconformity, audits and corrective protocols; (j) the procedures for LDS record keeping, training, and performance evaluation; and (k) the plan for maintenance and testing. 						
Commitment No. 36	<p>Integrity Management Program (IMP) Vantage shall:</p> <ul style="list-style-type: none"> (a) develop, implement, measure and continuously improve a pipeline and facility integrity management program (IMP) that proactively identifies, 	NEB Certificate OC-059 Condition 36	NEB	Vantage	Pre-Operation for the Vantage Pipeline and Empress	Complete for the Vantage Pipeline and Empress	<p>On September 27, 2013 NOVA entered into an agreement with Vantage to operate the Vantage Pipeline. In light of the foregoing, Vantage submitted NOVA's Pipeline Integrity Quality Assurance System. All Hazard Identification, Threat Susceptibility, Consequence Assessment, Risk Assessment and Risk Control Planning were addressed in the Risk Assessment submitted by Vantage in the fulfillment of Condition #5 (NEB Filing ID A54439)</p> <p>On November 14, 2013 the NEB filed a Correspondence to Vantage and NOVA, which denied their Section 16.1 confidentiality request.</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>assesses, mitigates, monitors and prevents the integrity risks of the pipeline system during the entire pipeline life cycle from design to abandonment; and</p> <p>(b) file with the Board, at least 60 days prior to filing any application for Leave to Open, the IMP for the Project. The IMP shall include, but not be limited to, the following process elements:</p> <ul style="list-style-type: none"> i) Hazard Identification, Threat Susceptibility and Assessment, ii) Consequence Assessment, iii) Risk Assessment and Risk Control Planning, iv) Baseline and Continual Assessments, v) Mitigation, vi) Condition Monitoring, vii) Prevention, viii) Performance Evaluation, and ix) Integrity Continuous Improvement Plan. <p>These process elements shall be linked and supported by a management system.</p>			Pembina	Pre-operation of Assiniboia	Ongoing – Pembina to refile as part of LTO for Assiniboia	<p>The filing was however, granted Protected B status under the Security Organization and Administration Standard (NEB Filing ID A55297)</p> <p>On May 30, 2016 requested a variance to the timing set out in Condition 36(b) of the Certificate from “60 days prior to filing any Leave to Open” to “30 days prior to filing any Leave to Open”, with regard to the Assiniboia Pump Station (NEB Filing ID A77250)</p> <p>On June 24, 2016, the NEB granted Pembina’s May 30, 2016 variance (NEB Filing ID A77952)</p> <p>On June 30, 2016, Pembina filed NOVA’s IMP for Certificate OC-059 Condition No. 34 (NEB Filing ID A78362)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
Commitment No. 37	<p>Emergency Preparedness and Response Program and Training Programs</p> <p>Vantage shall file with the Board, at least 60 days prior to filing any application for Leave to Open, documentation demonstrating full implementation of the Emergency Preparedness and Response Program and the Training Program. The documentation shall include an assessment of all potential hazards associated with the Project. The hazard identification and assessment shall include, but not be limited to:</p> <ul style="list-style-type: none"> (a) all possible hazards to the public, responders, property and the environment; (b) the level of risk posed by each hazard; and (c) the risk ranking and appropriate control measures for the purpose of emergency response planning. 	NEB Certificate OC-059 Condition 37	NEB	Vantage	Pre-Operation for the Vantage Pipeline and Empress	Complete for the Vantage Pipeline and Empress	<p>On September 27, 2013 NOVA entered into an agreement with Vantage to operate the Vantage Pipeline. In light of the foregoing, Vantage submitted NOVA's Pipeline Operations Emergency Response Plan. All Hazard Identification, Risk Ranking and Control Measures were addressed in the Risk Assessment submitted by Vantage in fulfillment of Condition #5 (NEB Filing ID A54439)</p> <p>On November 14, 2013 the NEB filed a correspondence to Vantage and NOVA, which denied their Section 16.1 confidentiality request. The filing was however, granted Protected B status under the Security Organization and Administration Standard (NEB Filing ID A55297)</p> <p>On May 10, 2016 Pembina hard copy filed NOVA's Emergency Preparedness and Response Program and Training Programs documents for Certificate OC-059 Condition 37 (NEB Filing ID A76816)</p>
Commitment No. 38	<p>Emergency Procedures Manual</p> <p>Vantage shall file with the Board at least 60 days prior to filing any application for Leave to Open, the final Emergency Procedures Manual for the Project and thereafter shall file with the</p>	NEB Certificate OC-059 Condition 38	NEB	Vantage	Pre-Operation for the Vantage Pipeline and Empress	Complete for the Vantage Pipeline and Empress	<p>On September 27, 2013 NOVA entered into an agreement with Vantage to operate the Vantage Pipeline. In light of the foregoing, Vantage submitted a NOVA's Pipeline Operations Emergency Response Manual (NEB Filing ID A54439)</p> <p>On November 14, 2013 the NEB filed a Correspondence to Vantage and NOVA, which denied their Section 16.1 confidentiality request.</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	Board any modifications to the Emergency Procedures Manual as they occur.			Pembina	All phases	Complete for Assiniboia	<p>The filing was however, granted Protected B status under the Security Organization and Administration Standard (NEB Filing ID A55297)</p> <p>On April 22, 2015, Pembina filed NOVA's Pipeline Operations Emergency Response Plan (Copy #95) and Pembina Pipeline Corporation Corporate Emergency Response Plan ("Pembina ERP") and Pembina Prairie Facilities Ltd. Vantage Pipeline Site-Specific Supplement with the NEB by hard copy.</p> <p>Further to Pembina's correspondence of June 26, 2015, a bridging document will be submitted to thane once it has been signed by appropriate parties, which links Pembina's ERP to NOVA's ERP.</p> <p>On March 30, 2016, Pembina filed one hard copy and one electronic copy of the Pembina Pipeline Corporation Corporate Emergency Response Plan and Pembina Prairie Facilities Ltd. Vantage Pipeline Site-Specific Supplement. On October 30, 2015, NOVA filed one hard copy and one electronic copy of the NOVA's Pipeline Operations Emergency Response Plan (Controlled Copy #92). As neither of the documents have been amended, there is no requirement to file an update at this time for Certificate OC-059 Condition 38 (NEB Filing ID A76816)</p>
Commitment No. 39	Emergency Procedures Manual Consultation Summary Vantage shall file with the Board, at least 60 days prior to filing any application for Leave to Open, a report documenting evidence of consultation conducted with agencies, municipalities and landowners that may be involved in an emergency response related tith Vantage Pipeline, for the development of the final Emergency Procedures	NEB Certificate OC-059 Condition 39	NEB	Vantage Pembina	Pre-Operation for the Vantage Pipeline and Empress Pre-Operation for Assiniboia	Complete for the Vantage Pipeline and Empress Complete for Assiniboia	<p>On September 27, 2013 NOVA entered into an agreement with Vantage to operate the Vantage Pipeline. In light of the foregoing, Vantage submitted Vantage and NOVA's 2013 Pipeline Public Consultation Summary Report (NEB Filing ID A54439)</p> <p>On May 10, 2016 Pembina hard copy filed NOVA's Emergency Manual Consultation Summary and NOVA's Stakeholder Consultation Documents for Certificate OC-059 Condition 39 (NEB Filing ID A76816)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>Manual(EPM). The Report shall include, but not be limited to:</p> <ul style="list-style-type: none"> (a) a description of the consultation program, addressing how Vantage: <ul style="list-style-type: none"> i) identified the parties with whom it would consult, ii) the methods and activities Vantage used to notify and consult with those parties, and iii) copies of the materials or information regarding the EPM that were used for consultation; (b) a description of any comments and concerns raised during the consultations; and (c) evidence demonstrating how the EPM addresses, to the extent possible, the issues rose during consultation. 						
<p>Commitment No. 40</p>	<p>Safety Program Vantage shall file with the Board, at least 30 days prior to filing any application for Leave to Open, a Safety Program for the operation and maintenance of the pipeline pursuant to section 47 of the <i>Onshore Pipeline Regulations, 1999</i>. The Program shall include practices and procedures for:</p>	<p>NEB Certificate OC-059 Condition 40</p>	<p>NEB</p>	<p>Vantage</p>	<p>Pre-Operation for the Vantage Pipeline and Empress</p>	<p>Complete for the Vantage Pipeline and Empress</p>	<p>On September 27, 2013 NOVA entered into an agreement with Vantage to operate the Vantage Pipeline. In light of the foregoing, Vantage submitted documentation in response to Certificate OC-059 Condition 40 (NEB Filing ID A54439)</p> <p>On October 22, 2013 Vantage submitted material regarding their safe working practices and procedures in relation to Certificate OC-059 Condition 40(g), Vantage submitted material regarding their safe working practices and procedures (NEB Filing ID A54878)</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	include measures for the protection of: <ul style="list-style-type: none"> (a) property; (b) the environment; (c) the safety of the public; and (d) the company's employees. 						<p>holder, will ultimately be responsible for the pipeline operation and audit process. Vantage will have regular meeting with NOVA to ensure that the operation of Vantage is in compliance with all aspects of the OPR. Vantage additionally stated that a specific audit protocol will be development for the Vantage Pipeline System (NEB Filing ID A55622)</p> <p>On December 19, 2013 the NEB filed a Correspondence which approved the Audit Program filing and stated that Certificate OC-059 Condition 42 had been met. In approving the Audit Program, the Board reminded Vantage that, regardless of NOVA's RC 100 standard, management systems and technical programs utilized on NEB regulated facilities must meet the requirements set out in the OPR. Vantage must be prepared to demonstrate its compliance to these requirements when required. Finally, the Board notes that Vantage has indicated that, as the certificate holder, it will ultimately be responsible for pipeline operation and the audit process. (NEB Filing ID A56141)</p> <p>On December 30, 2013 Vantage filed its Scope of Work for the post-construction environmental monitoring activities for Certificate OC-059 Condition 42 (NEB Filing ID A56234)</p> <p>On July 21, 2016, Pembina hard copy filed NOVA's Audit Program documents for Certificate OC-059 Condition 42 (NEB Filing ID A77818)</p>
Post-Construction Activities							
Commitment No. 43	In Line Inspection (ILI) Vantage shall: <ul style="list-style-type: none"> (a) one (1) year after the commencement of operation, confirm the integrity of the pipeline and establish a baseline for future internal inspections by running deformation and metal 	NEB Certificate OC-059 Condition 43	NEB	Pembina	Post-Operation	Complete	<p>On October 23, 2015 Pembina responded to the NEB's informal Information Request No. 1 for an update in relation to Certificate OC-059 Condition 43 (NEB Filing ID A73408).</p> <p>On July 20, 2016 Pembina provided the NEB with an update in relation to Certificate OC-059 Condition 43 (NEB Filing ID A78618).</p> <p>On February 17, 2017 Pembina filed documentation in accordance with Commitment No. 43 (b) (NEB Filing ID A81781).</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>loss internal inspection tools (Baseline In Line Inspection(ILI));</p> <p>(b) at least 90 days from completion of the Baseline ILI, file with the Board the following:</p> <ul style="list-style-type: none"> i) the pipeline ILI assessment, ii) proposed mitigation measures (based on the ILI assessment), and iii) the proposed re-inspection interval frequency for the next pipeline ILI; and <p>(c) at least 180 days from completion of the Baseline ILI, file with the Board an updated risk assessment including:</p> <ul style="list-style-type: none"> i) the evaluation of the deformation and metal loss in-line inspections, ii) investigation digs, and iii) the re-inspection interval frequency. <p>The updated risk assessment shall also consider the effectiveness of the Leak Detection System, Public Awareness and Damage Prevention programs.</p>						<p>On May 18, 2017 Pembina filed documentation in accordance with Commitment No. 43 (c) (NEB Filing ID A83679).</p>

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
Commitment No. 44	Emergency Response Exercise Within one (1) year after the commencement of operation, Vantage shall: <ul style="list-style-type: none"> (a) conduct a full-scale emergency response exercise with the objectives of testing the effectiveness and adequacy of the: <ul style="list-style-type: none"> i) Emergency Procedures Manual, ii) training of company personnel, iii) communications systems, iv) coordination of emergency response activities with responders, mutual aid partners and other agencies, v) response equipment, vi) safety procedures, and vii) exercise debrief process; (b) notify the Board in writing, at least 30 days prior to the date of the emergency response exercise, of the following: <ul style="list-style-type: none"> i) location of the exercise, ii) exercise coordinator, iii) date of the exercise, iv) duration of the exercise, 	NEB Certificate OC-059 Condition 44	NEB	Pembina	Operational as of June 1, 2014	Complete Pembina received a successful exercise report from the NEB (NEB Filing ID A46126)	On March 23, 2015 Pembina filed Certificate OC-059 Condition 44 (a) and Condition (b). Pembina's filing included noticed that the exercise would be run on May 1, 2015, thereby satisfying Certificate OC-059 Condition 44 (a) and Condition (b) (NEB Filing ID A69087) Exercise was run on May 1, 2015 and Pembina received a Successful exercise report from the NEB (NEB Filing ID A46126) On June 8, 2015, Pembina filed with the NEB Certificate OC-059 Condition 44 (c) Report. (NEB Filing ID A70565)

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	<p>v) type of exercise (orientation, tabletop, drill, full simulation, full scale),</p> <p>vi) goals (focus of exercise, scope, scale, extend of play, format, evaluation method),</p> <p>vii) how success is measured, and</p> <p>viii) the name and organization of each individual invited to participate in the exercise; and</p> <p>(c) file with the Board, within 60 days of completion of the exercise, a final report that documents the results of the exercise including:</p> <p>i) how the exercise achieved the stated objectives,</p> <p>ii) participant feedback and areas for improvement, and</p> <p>iii) a corrective action plan to address the findings from the exercise.</p>						
Commitment No. 45	Condition Compliance by a Company Officer Within 30 days of the commencement of operation,	NEB Certificate OC-059 Condition 45	NEB	Vantage	Pre-Operation of Vantage Pipeline and Empress	Complete	On May 14, 2014 Pembina filed a confirmation that the Vantage Pipeline was placed into service on May 2, 2014 and further confirms that the Vantage Pipeline was constructed in accordance with Certificate Conditions (NEB Filing ID A60411)

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
	Vantage shall file with the Board confirmation, by an officer of the company, that the Project was completed and constructed in compliance with all applicable conditions in this Certificate. If compliance with any of these conditions cannot be confirmed, the officer of the company shall file with the Board details as to why compliance cannot be confirmed. The filing required by this condition shall include a statement confirming that the signatory to the filing is an officer of the company.			Pembina	Pre-Operation of Assiniboia	Complete	LTO received on September 7, 2016 for Assiniboia (NEB Filing ID A79324). Commitment No. 45 will be fulfilled in due course. Confirmation of Compliance pursuant to Condition 45 was filed on January 20, 2017 (NEB Filing ID A81407)
Certificate Expiration							
Commitment No. 48	If construction of the Project has not Commenced Unless the Board otherwise directs prior to 19 January 2013, this Certificate shall expire on 19 January 2013 unless construction in respect of the Project has commenced by that date.	NEB Certificate OC-059 Condition 48	NEB	Vantage	Not Applicable	Not Applicable	Not Applicable
Information Request Responses							
Commitment No. 49	Vantage will engage in additional consultation with Foothills, TransCanada, TransGas and Enbridge, as well as all other owners of adjacent pipeline RoWs.	NEB IR 1.1 d	NEB	Vantage	Pre-Construction	Complete	Consultation with Foothills, TransCanada, TransGas and Enbridge, as well as all other owners of adjacent pipeline RoWs occurred. Pembina maintains these records.

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
Commitment No. 50	Vantage will offer opportunities for Aboriginal groups to provide labor and contracting services to the project.	NEB IR 3.20, Transcript 2118	Vantage	Vantage	Pre-Construction & Construction	Complete	Vantage had business and employment opportunity discussions with potentially affected Aboriginal groups prior to and during construction. Since acquisition, Pembina has consulted with potentially affected Aboriginal groups with respect to procurement, contracting and employment opportunities.
Commitment No. 51	An engineering assessment will be completed that will define the construction parameters, such as allowable equipment when compacting soil over the pipe, to ensure that the integrity of the pipe is maintained.	NEB IR 3.40	Vantage	Vantage	Pre-Construction	Complete	Pembina has an engineering assessment from Sunstone Project Ltd.
Commitment No. 52	Develop an annual fugitive emissions leak detection and repair (LDAR) program.	NEB IR 5.5	Vantage	Vantage	Pre-Operation	Complete	Pembina and NOVA developed an annual fugitive emissions leak detection and repair (LDAR) program, which was implemented on November 2, 2016.
Commitment No. 53	Vantage to develop design criteria of the portable flares that will ensure the proper dispersion of gases.	NEB IR 6.9	Vantage	Vantage	All phases	Complete	Pembina has developed the design criteria of the portable flares that will ensure the proper dispersion of gases.
Commitment No. 54	A custody transfer metering plan will be developed and all meters at pipeline receipt and delivery points will be proven monthly.	NEB IR 6.4	Vantage	Pembina	Pre-Operation & Ongoing	Complete	Pembina and NOVA have a Contract Operating Agreement (“COA”) in place which details this requirement. In addition, Pembina and NOVA have created a custody transfer metering plan, which provides further clarity with respect to metering in addition to the provisions of the COA.
Commitment No. 55	Vantage to provide the Board with a preliminary abandonment plan and an estimate of future abandonment costs.	NEB IR 6.13	Vantage and NEB	Vantage	All phases	Complete	On May 31, 2013 Vantage filed a Proposed Set-Aside and Collection Mechanism (NEB Filing ID A52176) On September 19, 2013 Vantage filed its Group 2 Set-Aside Mechanism Filings IR Gr2 SAM 1 (NEB Filing ID A54241)

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
							<p>On November 1, 2013 Vantage filed its Group 2 Collection Mechanism – IF Gr2 COM 1 (NEB Filing ID A55054)</p> <p>On December 16, 2013 Vantage filed its response to NEB’s December 5, 2013 Request (NEB Filing ID A55998)</p> <p>On December 19, 2013 Vantage filed its Affidavit in relation to Procedural Directive No. 4 (NEB Filing ID A56128)</p> <p>On August 26, 2014 Vantage filed a Correspondence with the NEB indicating that it would use a letter of credit of surety bond as a set aside mechanism and would file the appropriate documentation for the NEB’s approval by December 31, 2014. (NEB Filing ID A62456)</p> <p>On December 23, 2014 Pembina filed their Letter of Credit for the Vantage Pipeline (NEB Filing ID A65221)</p>
Commitment No. 56	Vantage to file a Construction Access, Grade and Clean-up Plan with the NEB at least 3 months prior to construction.	NEB IR 6.17	Vantage	Vantage	Pre-Construction	Complete	On August 29, 2012 Vantage filed their Traffic Management Plan with the NEB in relation to Condition #23. Vantage engaged in consultation with all affected municipalities and indicated to each municipality that a detailed traffic plan will be communicated to them by the pipeline contractors. To date, the pipeline contractors have consulted with the number of Rural Municipalities ("RM"), including the RMs of Deerforks, Lake of the Rivers, Excel, Bengough and The Gap. (NEB Filing ID A45803)
Commitment No. 57	Vantage to continue consultation with interested Aboriginal groups.	Transcript 1999, 2141, 2768	Vantage	Pembina	All phases	Complete	Pembina engages with Aboriginal groups throughout the life of our Projects.
Commitment No. 58	Continue consultations with Saskatchewan Environment, Environment Canada and the NEB with respect to setbacks and transplanted of rare plants.	Transcript 2432, 2493, 2566	Vantage	Pembina	All phases	Complete	Pembina's representatives have been cognizant of how planned activities (e.g., repairs, weed control) may potentially interact with rare plants at target locations and have been assessing risks on an ongoing basis based on known/potential species; required actions; and activity timing at each site. Avoidance of further impacts to rare plant species has been achieved and no transplants or mitigation has

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
							been required. Consequently, continued consultation with these agencies has not been required.
Commitment No. 59	Vantage to consult with landowners if springs are encountered.	Transcript 2582	Vantage	Vantage	Pre-Construction and Construction	Complete	Not Applicable – no springs were encountered during construction of the Vantage Pipeline.
Commitment No. 60	Vantage to file with the Board at least 14 days prior to the physical preparation of a workers temporary camp, confirmation of all appropriate municipal or provincial permits. Vantage will also file with the Board copies or excerpts of policies relating to rules for conduct for workers housed in camps.	Transcript 2639, 2643	Vantage	Vantage	Pre-Construction and Construction	Complete	Pembina is unable to confirm if this occurred during the construction of the Vantage Pipeline by the previous owner. For any new construction that Pembina has undertaken in relation to Pump Station expansions, Pembina did not require any workers temporary camps.
Commitment No. 61	Vantage to provide to construction workers, in writing, Vantage's expectations or policies relating to the rules of conduct for interacting with the local community and the surrounding environment	Transcript 2647	Vantage	Vantage	Pre-Construction	Complete	<p>Pembina is unable to confirm if this occurred during the construction of the Vantage Pipeline by the previous owner.</p> <p>For any new construction that Pembina has undertaken in relation to Pump Station expansions, Pembina can confirm that Pembina's corporate policies provide guidance on how our employees and contractors interact with each other and our external stakeholders. The following policies are required to be reviewed by contractors:</p> <ul style="list-style-type: none"> • Code of Ethics • Health, Safety & Environment Policy • Alcohol & Drug Policy • Security Management Policy • Respectful Workplace Policy • Aboriginal Relations Policy • Whistleblower Policy • Insider Trading & Reporting Policy

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
							This includes an onboarding process that requires all vendors to review, pass a competency test, and sign off on Pembina's policies and procedures.
Additional Commitments							
Commitment No. 63	Construction Safety Manual Vantage shall file with the Board, at least 30 days prior to the commencement of construction, a Construction Safety Manual for the Project.	NEB Certificate OC-059 Condition 22	NEB	Pembina	Pre-Operation of Assiniboia	Complete	Was hard copy filed with the NEB on May 22, 2015
Leave to Open							
Commitment No. 62	Not a specific condition in Certificate OC-059, however it is a NEB requirement.	NEB Filing Manual	NEB Filing Manual	Vantage	Pre-Operation of Vantage Pipeline and Empress	On December 20, 2013 the NEB granted Leave to Open on December 20, 2013 in: <ul style="list-style-type: none"> Order OPLO-V040-01-2013, which grants leave to open the Vantage Pipeline for the transmission of liquid ethane at a maximum operating pressure of 9930 kPa. Order OPSO-V040-01-2013, which grants leave to open the Vantage Empress Pump 	On November 14, 2013 Leave to Open Application was submitted to the NEB pursuant to Section 47 of the NEB Act (NEB Filing ID A55253) On November 21, 2013 Addendum to Appendix D of Leave to Open Filed (NEB Filing ID A55403) On December 3, 2013 Vantage's submission of the Final hydrotest data to complete the Leave to Open Application. Requested NEB approval by December 16, 2013 (NEB Filing ID A55641) On December 6, 2013 Calibration Certificate for the Empress Pump Station – Shop Hydrotest filed (NEB Filing ID A55786) On December 9, 2013 the information contained in the Leave to Open Pipe Section C was incorrect. Vantage refilled this section (NEB Filing ID A55793) On December 11, 2013 Leave to Open refilled as there were errors in the previous submission and to provide further explanation (NEB Filing ID A55865)

Commitment Number	Condition	Document Reference(s)	Source of Commitment	Accountability	Project Phase	Status	Filings
		NEB Filing Manual	NEB Filing Manual	Pembina	Pre-Operation of Assiniboia	<p>Station for the transmission of liquid ethane at a maximum operating pressure of 9930 kPa (NEB Filing ID A56174)</p> <p>Ongoing - Pembina to submit LTO for Assiniboia</p>	<p>On July 28, 2016 Pembina filed its LTO Application for Assiniboia (NEB Filing ID A78736).</p> <p>On August 23, 2016 Pembina filed its Pressure Test Results in support of the LTO for Assiniboia (NEB Filing ID A79089).</p> <p>LTO received on September 7, 2016 for Assiniboia (NEB Filing ID A79324).</p>

Defined Terms and Interpretation

In this Commitments Tracking Table:

- 1) "Assiniboia" means the Assiniboia Pump Station located at 16-10-007-30 W2M.
- 2) "Empress" means the Empress Pump Station located at 14-02-020-01 W4M.
- 3) "EPP" means an Environmental Protection Program.
- 4) "LPFN" means the Little Pine First Nation.
- 5) "LTO" means Leave to Open.
- 6) "NEB Act" means the *National Energy Board Act*, as amended from time to time, and available at: <http://laws-lois.justice.gc.ca/PDF/N-7.pdf>
- 7) "NEB Filing Manual" means the *National Energy Board Filing Manual*, available at: <http://www.neb-one.gc.ca/bts/ctr/gnnb/flngmnl/flngmnl-eng.pdf>
- 8) "NOVA" means NOVA Chemicals Corporation, contract operator of the Vantage Pipeline.
- 1) "OPR" means the *National Energy Board Onshore Pipeline Regulations*, as amended from time to time, and available at: <http://laws-lois.justice.gc.ca/eng/regulations/SOR-99-294/FullText.html>
- 9) "Pembina" means Pembina Prairie Facilities Ltd., an indirectly wholly-owned subsidiary of Pembina Pipeline Corporation and owner of the Vantage Pipeline.
- 10) "Vantage" means Vantage Pipeline Canada ULC, predecessor in interest to Pembina Prairie Facilities Ltd.
- 11) "Vantage Pipeline" means the pipeline that is the subject of Certificate of Public Convenience and Necessity OC-059 which authorized the construction and operation of the Vantage Pipeline and associated facilities. The Vantage Pipeline is approximately 578 km in length in Canada, of which 4.5 km is located in Alberta and the remainder is located in Saskatchewan. The Vantage Pipeline enters Canada at a Canada-U.S. border location near Beaubier, Saskatchewan at SE 1-01-16W2 and flows westward to connect with the Alberta Ethane Gathering System (AEGS) located near Empress, Alberta at SE 11-020-01W4.