

## ACTION PLAN FOR AER DECISION 2018-001

### TRANSCANADA PIPELINES LIMITED

#### APPLICATIONS FOR THE WHITE SPRUCE PIPELINE PROJECT, FORT MCKAY AREA,

ACTION ITEM	REQUIRED ACTION/COMMENTS	DECISION: 2018-001	AER PROCESS TO ENSURE FOLLOW-UP	STATUS & EVIDENCE
1 Project	Construction must be conducted only under frozen conditions.	Section: Paragraph 113 P. 22	TransCanada will submit a summary report to the AER confirming that they constructed the project under frozen conditions.	Completed - On March 20, 2018 TransCanada submitted an update letter to the AER.  On March 28, 2019 TransCanada submitted a letter confirming that the requirement has been met.
2 Moose	If moose are identified in the immediate vicinity (right-of-way plus 100 metres) of the construction zone, TransCanada must immediately suspend work in the vicinity of the moose, assess the situation, and allow construction to resume only when the moose have moved safely away from the construction zone.	Section: Paragraph 55 P. 12	Before construction TransCanada will submit a letter to the AER outlining how it plans to meet the requirement.  At the end of construction TransCanada will submit a letter to the AER confirming that the requirement has been met.	Completed - On March 23, 2018 TransCanada submitted an update letter to the AER outlining how it plans to meet the requirement.  On March 28, 2019 TransCanada submitted a letter confirming that the requirement has been met.
3 Wildlife	If a trench must be left open overnight or unattended, sloped subsoil ramps must be placed at the ends of the open trench to create egress for wildlife that might enter the trench.	Section: Paragraph 55 P. 12	Before construction TransCanada will submit a letter to the AER outlining how it plans to meet the requirement.  At the end of construction TransCanada will submit a letter to the AER confirming that the requirement has been met.	Completed - On March 23, 2018 TransCanada submitted an update letter to the AER outlining how it plans to meet the requirement.  On March 28, 2019 TransCanada submitted a letter confirming that the requirement has been met.
4 Wildlife	At wildlife migration or travel corridors identified by TransCanada or the AER, TransCanada must install breaks in windrows to allow wildlife movement across the project footprint.	Section: Paragraph 55 P. 12	Before construction TransCanada will submit a letter to the AER outlining how it plans to meet the requirement.  At the end of construction TransCanada will submit a letter to the AER confirming that the requirement has been met.	Completed - On March 23, 2018 TransCanada submitted an update letter to the AER outlining how it plans to meet the requirement.  On March 28, 2019 TransCanada submitted a letter confirming that the requirement has been met.

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5 Qualified archeologist	TransCanada must use a qualified archeologist to provide training in the environmental orientation program to construction personnel on recognizing potential historical resource and traditional land use sites.	Section: Paragraph 86 P. 17	TransCanada will submit a letter signed by a qualified archeologist confirming that the requirement has been met.	<p>Completed - On March 23, 2018 TransCanada submitted an update letter to the AER.</p> <p>On January 10, 2019 TransCanada submitted a letter signed by a qualified archeologist confirming that the requirement has been met.</p>

ACTION ITEM	REQUIRED ACTION/COMMENTS	DECISION: 2018-001	AER PROCESS TO ENSURE FOLLOW-UP	STATUS & EVIDENCE
6 Caribou Habitat Restoration Plan	<p>TransCanada must prepare and submit a caribou habitat restoration plan to the AER for approval for PLA160532 and PLA160531. This plan must have the effect of restoring 2.0 times the area of new cut habitat affected in the West Side Athabasca Range by the project. The goal or outcome of the plan is to ensure that there is, at a minimum, no net loss of caribou habitat from the project in the West Side Athabasca Range. The restoration plan must be filed at least six months before operations for the White Spruce pipeline project begin and approved by the AER before operations start up. In addition to any measures that TransCanada determines should be included, the restoration plan must include</p> <ul style="list-style-type: none"> <li>- a list of specific restoration sites in the West Side Athabasca Range identified for restoration, including their location, area, description and site-specific restoration plans;</li> <li>- specification drawings for implementation of restoration methods at each site;</li> <li>a quantitative and qualitative assessment of the total area of caribou habitat that will be restored and how these restoration sites are equivalent to the 2.0 times the new cut area disturbed by the White Spruce pipeline project within the West Side Athabasca Range;</li> <li>- a schedule indicating when restoration measures will be initiated and completed;</li> <li>- a process and timeline for completing an assessment of the effectiveness and value of the restoration plan; and</li> <li>-a summary of TransCanada's discussions with Fort McKay about the restoration plan, including any concerns that Fort McKay raised and how or if these concerns were addressed.</li> </ul>	Section: Paragraph 133 P. 25	TransCanada will submit the plan to the AER at least six months before operations for the White Spruce pipeline project begin. Operations must not start up until the plan is approved by the AER.	<p>Completed - On March 23, 2018 TransCanada submitted an update letter to the AER outlining how it plans to meet the requirement.</p> <p>On October 26, 2018 TransCanada submitted the plan to the AER. On February 14, 2019 the AER requested TransCanada to provide additional information on the plan. On March 1, 2019 TransCanada submitted the requested additional information to the AER, and on March 19, 2019 submitted the revised plan. The plan was approved by the AER on March 29, 2019.</p>

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7 Additional isolation valve	TransCanada must install one additional isolation valve between valve IMLV 4 and valve IMLV 5. TransCanada must conduct a study to find a location for the additional valve to reduce the magnitude of a maximum release between valve IMLV 4 to valve IMLV 5. The study must be provided to the AER and the AER must authorize the final location of the valve before operation of the pipeline.	Section: Paragraph 171 P. 31	TransCanada will submit the study to the AER. The AER must authorize the final location of the valve before operation of the pipeline.	Completed - TransCanada submitted the study to the AER on March 20, 2018. The AER authorized the location of the valve on March 28, 2018.

*The conditions imposed in approvals/licence(s) are monitored by the Alberta Energy Regulator (AER). The AER has developed a process whereby an action plan is developed internally to ensure that AER staff monitor conditions arising from decision reports for compliance. The conditions are managed in an action plan that is updated quarterly with statuses of conditions. The action plan defines the action required, timeframes for completion, and a summary of the evidence provided to confirm a condition was met. For more information, please contact the Action Plan Administrator at (403) 297-4289.*