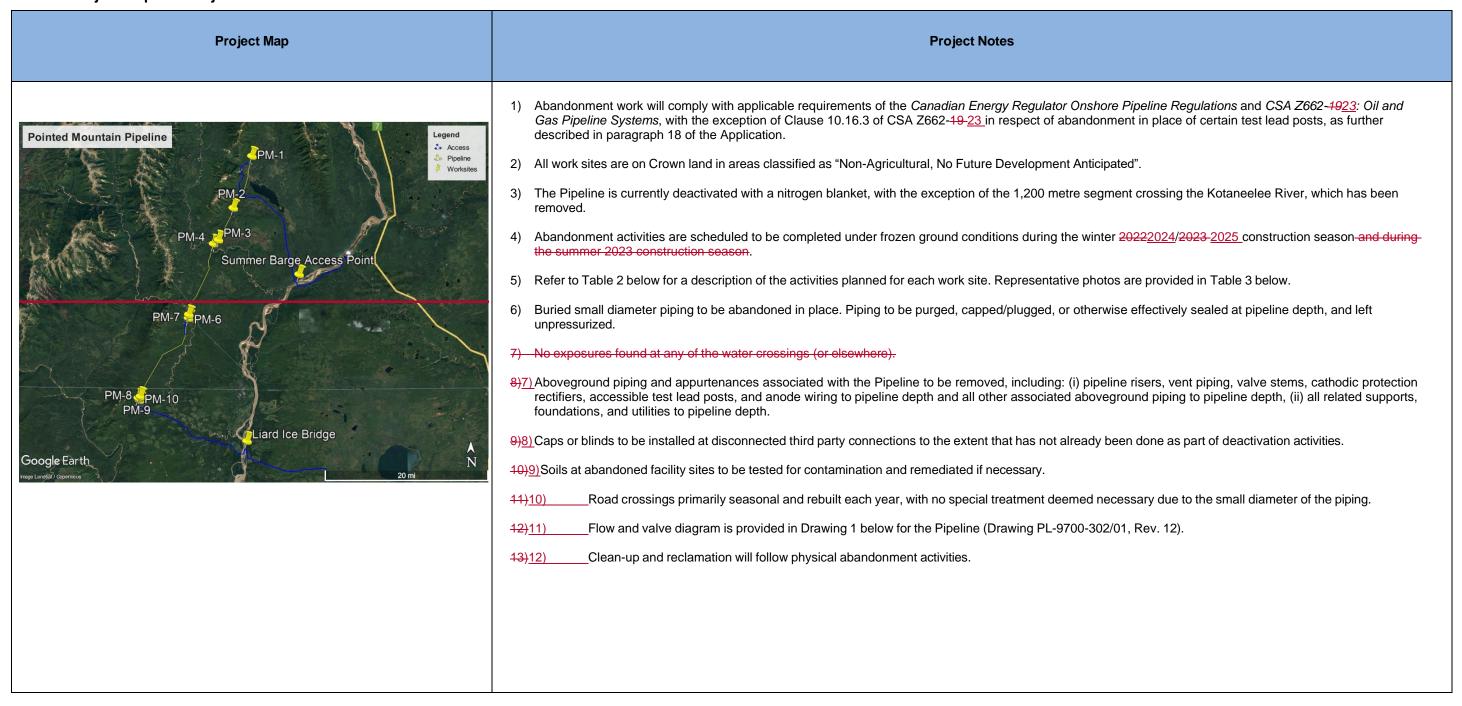
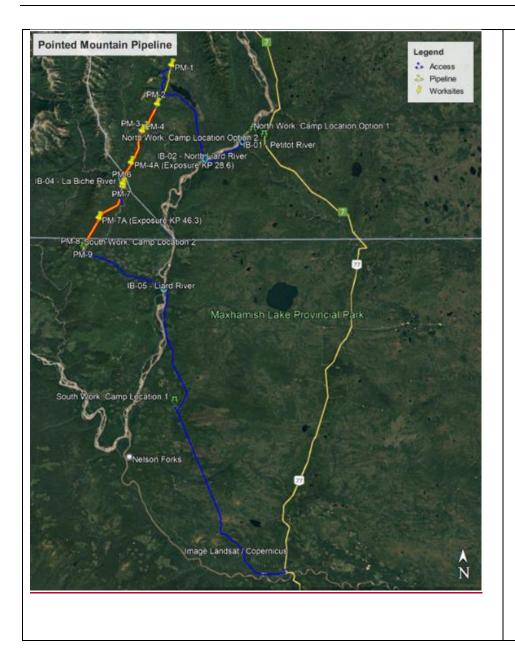


## Attachment 2 Abandonment Activities for the Pointed Mountain Pipeline (Pipeline)

**Table 1: Project Map and Project Notes** 







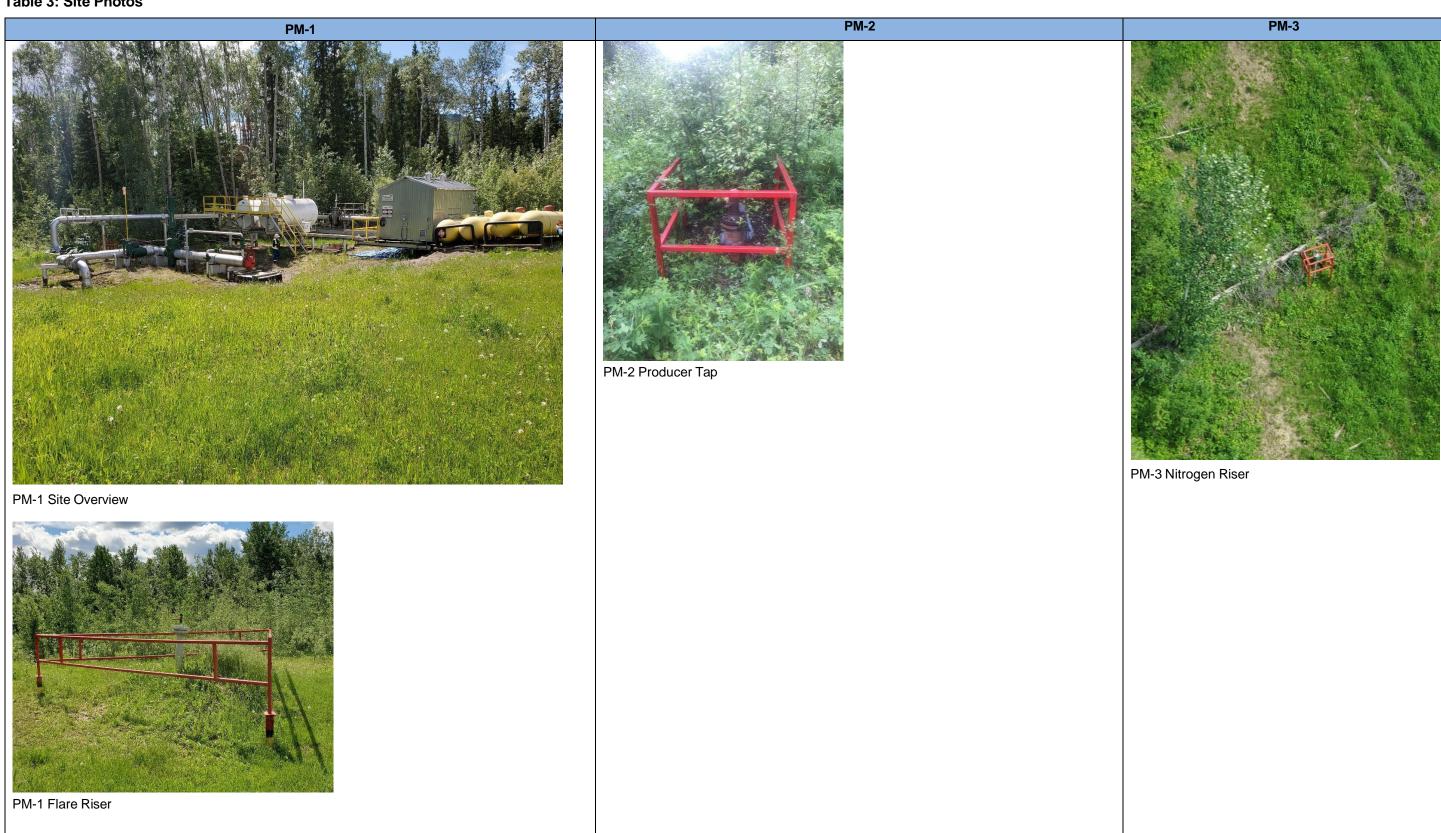


## **Table 2: Key Project Activities**

Site #	Site Name & GPS Coordinates	KP	Background and Context	Abandonment Activities
PM-1	Pointed Mountain Launcher (Original) GPS 60.3968, -123.8263	KP 0.0	This site is the original launching barrel for the Pipeline. In 2008, the Pipeline was disconnected from this launching barrel; the launcher site was deactivated; and a new launching barrel was installed downstream (PM-7). The launcher is currently isolated from both the adjacent plant and Pipeline through removed piping, and isolated from the producer receiver connection with a paddle blind flange.	Remove pig launcher and associated kicker line, flare, aboveground flare piping, aboveground producer connection piping, valves, structural steel, and riser.
PM-2	Producer Tie-In GPS 60.3053, -123.8923	KP 11.1	This site has a pipeline tap, piping, and valve that was historically connected to a third-party producer. The producer has since been disconnected from this tap; however, the tap, piping, and valve have remained in place.	Remove tap, piping, and valve.
PM-3	N2 Vent GPS 60.2490, -123.9447	KP 18.04	In 2016, a section of exposed pipe at the Kotaneelee River was removed. The pipe upstream of the Kotaneelee River to the PM-1 KP0.0 Sending Barrel was then filled with nitrogen. The PM-3 site contains a nitrogen riser for maintaining the nitrogen pressure on that segment of pipeline.	Remove riser piping and valve.
PM-4	N2 Vent GPS 60.2419, -123.9618	KP 19.25	In 2016, a section of exposed pipe at the Kotaneelee River was removed. The pipe downstream of the Kotaneelee River to the PM-7 KP34.92 Sending Barrel was then filled with nitrogen. The PM-4 site contains a nitrogen riser for maintaining the nitrogen pressure on that segment of pipeline.	Remove riser piping and valve.
PM-4A	Wetland, Tributary of Kotaneelee River  GPS 60.165, -124.0125	KP 28.6	An exposure of the Pipeline at a wetland that is near a minor water crossing, a tributary of Kotaneelee River, at KP 28.6 was identified. The exposed pipe, as well as a short segment of upstream and downstream pipe at risk of future exposure, will be removed as part of the Project.	Remove pipeline.
PM-6	Producer Tie-In GPS 60.1179, -124.0482	KP 34.28	This site contains two pipelines that run from a producer meter building to the Pipeline. In 2008 the Pipeline was deactivated between KP 0.0 and KP 34.92. Therefore, an additional 0.7 km NPS 6 bypass line was built to connect the two producer pipelines from this site to the new sending barrel at KP 34.92. The two pipelines are currently both isolated at the meter building, and at the Pipeline with spectacle blinds.	Remove aboveground producer connection piping, valves, and risers.
PM-7	Pointed Mountain Launcher (Current) GPS 60.1116, -124.0493	KP 34.92	This site is the current launching barrel for the Pipeline. In 2008, the original launching barrel at KP0.0 was disconnected, and a new barrel was installed at this location. This launching barrel is currently isolated from both the upstream producer and the Pipeline with spectacle and paddle blind flanges.	Remove pig launcher and associated kicker line, flare, aboveground flare piping, aboveground producer connection piping, valves, structural steel, and riser.
PM-7A	Watercourse, Tributary of La Biche River GPS 60.0381, - 124.1577	KP 46.3	An exposure of the Pipeline at a minor water crossing, a tributary of La Biche River, at KP 46.3, was identified. The exposed pipe, as well as a short segment of upstream and downstream pipe at risk of future exposure, will be removed as part of the Project.	Remove pipeline.
PM-8	Above Ground Riser GPS 59.9732, -124.2171	KP 54.5	Historically the Pipeline receiving barrel and flare was located at this site. All that remains at this site is an above ground elbow.	Remove above ground elbow.
PM-9	Above Ground Riser GPS 59.9701, -124.2247	KP 55.0	Historically the Pipeline receiving barrel was located at this site. All that remains at this site is an above ground elbow and concrete pipe supports.	Remove above ground elbow and concrete pipe supports.
PM-10	Pointed Mountain Receiver GPS 59.9664, -124.2210	KP 55.64	This site is the receiving barrel for the Pipeline. In March 2016, this section of the Pipeline (KP34.92 to KP55.64) was deactivated and purged with nitrogen. This launching barrel is currently isolated from the Pipeline and the adjacent flare site with spectacle and paddle blind flanges. Valves are currently providing isolation on the crossover and kicker piping between the Pipeline receiving barrel and the adjacent launching barrel owned by others.	Remove pig receiver and associated kicker line, aboveground piping, valves, structural steel, and riser.



Table 3: Site Photos

















**Drawing 1: Flow and Valve Diagram for Pointed Mountain Pipeline** 

