

## ***Carcross - Wednesday, September 12, 2018***

### **Session #8 - Carcross area reclamation**

**Time** 415pm-435pm

**Topic** **Arctic Gold and Silver and Venus Mine Sites – Roadmap to Remediation and Reconciliation**

**Abstract** The Arctic Gold and Silver (AGS) and Venus mines are on Montana Mountain, and were mined historically and remediated to the environmental standard of the day in the late 1990's and early 2000's. AGS and Venus used two different closure methods for their tailings, one dry cover and one wet cover, to mitigate the production of acid that leaches metals from the tailings into the ecosystem. Compliance water quality monitoring found an exceedance of CCME standards in metals concentrations within seepage water quality at each site, which indicated the tailings containment systems are not performing as designed. Also, elevated metals in soils and sediments were observed to be present outside of the tailings containment areas at each site. The Carcross Tagish Management Corporation (CTMC), in partnership with Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC), are collaborating to implement the Montana Mountain Mines Roadmap to Remediation and Reconciliation Plan. This includes restoring Stewardship through direct involvement and training in data collection for site cleanup, using traditional methods to collect data, and collaborating with the Carcross Tagish First Nation community to determine the desired future land use for both sites, so that we can develop options on how to get there. This year we are focused on filling data gaps and land use planning, considering land use on Montana Mountain as a whole, so that we can present options for the closure and new land use that is safe and healthy.

**Presenter(s)** Patrick James (Carcross Tagish First Nation Land Management Board), Ryan Martin (CIRNAC), Kristina Gardner (Carcross Tagish Management Corporation), Shane Wally (C/TMC Steward)

**Bio(s)** Kristina Gardner is a Project Manager for the Carcross Tagish Management Corp., and the Principal for Gryphon Ventures Environmental Consulting. Kristina has over 20 years of experience in project management, and enjoys a focus on reclamation and revegetation planning for mine sites, as well as supporting Stewardship of the land and its people.

Ryan Martin is a senior engineer with Government of Canada – Crown Indigenous and Northern Affairs Type II mines engineering group. Prior to joining CIRNAC, Ryan worked as an environmental and engineering consultant in northern Canada, including involvement in many mining, mine reclamation, environmental site assessment, hydrogeology and water supply projects. Ryan is currently the project manager for Government of Canada, working in partnership with Carcross Tagish First Nation and their development corporation on the Arctic Gold and Silver, and Venus mine tailings reclamation projects.



