

SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 04 003 26R-M

ISSUED TO: Emily Koide
Polar Knowledge Canada
Government of Canada
P.O. Box 2150, 1 Uvajuk Rd.
Cambridge Bay, Nunavut
X0B 0C0 Canada

TEAM MEMBERS: D. DeKerckhove, M. Parsons, A. Czerwinski

TITLE: Cambridge Bay Air Quality

OBJECTIVES OF RESEARCH:

Polar Knowledge Canada and Environment and Climate Change Canada are studying particulate matter in the community of Cambridge Bay, Nunavut to better understand sources that impact air quality. Particulate matter can come from many sources in the community including road/construction dust, burning of diesel, and burning of the dump. Particulate matter, including black carbon, is of concern because it can contribute to negative health outcomes as well as climate change. In 2026 the following research activities will occur : Updated information will be presented to the community in a community meeting. Continued information and concerns about air quality will be gathered: A black carbon monitor will be installed to better understand levels of black carbon and sources in the community :Live data will continue to be made public to community members :A summarized report of analyzed data will be shared with the community and interested community organizations.

TERMS & CONDITIONS:

The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (NIRB File # 24YN033) and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this licence.

DATA COLLECTION IN NU:

DATES: January 20,2026 to December 31,2026

LOCATION: Cambridge Bay

Scientific Research License 04 003 26R-M expires on December 31,2026

Issued at Iqaluit, NU on January 20, 2026


James Shirley
Science Advisor

