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# Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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## SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 010 17R-M-Amended

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TEAM MEMBERS: Y. You, D. Veber, S. Sharma, R. Staebler

AFFILIATION: Environment Canada

TITLE: Arctic Aerosol and Gas Measurements, Resolute Bay, Pond Inlet.

### OBJECTIVES OF RESEARCH:

The proposed measurements will allow us to estimate changes in the climate and air quality-related properties of the atmospheric aerosol and gases and they will be used to verify EC models for the prediction of Arctic climate and air quality. We already had measurements conducted at Resolute Bay location under the project NIRB number 13Y010 from June 2013 until June 2017. We are implementing same measurements at the Pond Inlet location. Both locations are closer to the predicted pathway for ships in the northwest passageway. We have already established baseline measurements at Resolute Bay and now proposing to install same set of instruments at Pond Inlet and would like to start these measurements in July so that the baseline conditions can be monitored before ship traffic increases significantly across the region.

### TERMS & CONDITIONS:

The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report and the Department of Culture and Heritage archeological sites terms and conditions. These terms and conditions will form part of this licence.

### DATA COLLECTION IN NU:

DATES: August 02, 2017-December 31, 2017

LOCATION: Resolute Bay, Pond Inlet

Scientific Research License 02 010 17R-M-Amended expires on December 31, 2017

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Mary Ellen Thomas  
Science Advisor

