

Eyes in the Sky

Transport Canada's National Aerial Surveillance Program (NASP) Monitoring for and Responding to Maritime Pollution

Engineering Lunch & Learn Series



Kim Pearce MSc.
National Training and Standards Officer
Intelligence, Surveillance, and Reconnaissance (ISR)

Kim has been an aerial surveillance officer with Transport Canada's National Aerial Surveillance Program (NASP) for 13 years and is the National Training and Standards Officer. Through this work she develops and provides operational training and develops standard operating procedures for the Intelligence, Surveillance and Reconnaissance (ISR) division of the NASP. Her work also involves supporting R&D projects for and facilitating partnerships with researchers using NASP data. With an MSc in geomatics, and previous work with the Canadian Coast Guard, Kim combines her maritime background and academic training in support of advancements in the NASP.

Transport Canada is the lead Federal Department responsible for preventing pollution from ships and the National Aerial Surveillance Program (NASP) is one method by which this is achieved. The NASP is a multi-tasked program with four aircraft primarily monitoring for pollution in Canadian waters but concurrently conducting maritime security, wildlife monitoring, ice reconnaissance and SAR support. Evidence gathered by NASP aircraft are used to issue fines and

prosecute polluters under Canadian and international law. During large incidents, the NASP provides near-real time remote sensed data to support the incident commanders and populate the common operating picture. This presentation shares the current state of the program, recent advancements and an outlook on system upgrades and improvements over the next 5 years.

PEOPLE
Network

Persistent, Emerging and Organic PoLLution in the Environment

MEMORIAL
UNIVERSITY
Faculty of Engineering
and Applied Science

 **Transports Transport**
Canada Canada

NRPOP LAB
Northern Region Persistent Organic Pollution Control Laboratory



Date: Friday, October 28th
Time: 12:00-13:00 NDT (light lunch provided)

Hybrid Event: CSF-1203
REMOTE: [Access WebEx here](#)

Contacts: [Dr. Bing Chen](#) & [Lee Britton](#) (NRPOP Lab, Faculty of Engineering & Applied Science, Memorial University)
[Dr. Weiyun Lin](#) (PEOPLE Network)