

OIL SPILL CO-OPERATIVE LAKE & LARGE RIVER EXERCISE REPORT

Oil Spill Co-Operative:	Coop 7 – Gregoire Lake
Oil Spill Co-Op Chairmen & Alternates:	Coop 7 Chair – Morgan Alexander and Coop 7 Alt. Chair – Kevin Mosich
Exercise Dates:	Feb. 23, 2022 (AM & PM Sessions)

WATER BODY WITH AN ICE SHEET (WINTER)

OUTCOME GOAL

The goal of Coop exercises in water bodies with an ice sheet is to enable attendees to assist the Operations Section Chief or designate with the deployment of specialized and conventional response equipment, to contain and recover spilled material in winter conditions.

WCSS COOP WINTER EXERCISE LEARNING OBJECTIVES

1. After the instructor delivers the classroom theory attendees will be able to:
 - a. Describe the general behavior of oil under an ice sheet.
 - b. Describe typical containment and recovery tactics.
 - c. Describe WCSS' winter spill response units and process to obtain equipment from WCSS.
 - d. Conduct a hazard assessment for a spill response site.
 - e. Contribute to the development of an Ice Safety Plan.
 - f. Determine the weight-bearing capacity of an ice sheet.
 - g. Describe how to locate ice slotting area(s).
 - h. Determine ice slotting tactics based on the weight-bearing capacity of the ice sheet.
 - i. Identify the WCSS Oil Spill Contingency Manual.
 - j. Function within a basic ICS structure.

2. After reviewing the equipment used to contain and recover oil under an ice sheet, attendees will be able to:
 - a. Identify typical equipment required to respond to a spill on a water body with an ice sheet.
 - b. Determine the amount of white ice and blue ice in an ice block

3. After participating in the 3 hands-on activities in the Coop Winter Exercise, attendees will be able to:
 - a. Participate on a team responding to an oil spill under an ice sheet.
 - b. Identify tactics to locate and recover accumulations of oil under ice upstream of the containment and recovery site.
 - c. Provide exercise evaluation feedback.

EXERCISE REPORT – CHRONOLOGICAL DESCRIPTION

Time	Event and Description – Coop 7 Gregoire Lake (AM Session)	Obstacles / Challenges
08:30 – 09:10	Sign-In	
09:10 – 09:20	Introductions & WCSS Overview – Morgan Alexander	
09:20 – 10:50	Ice Rescue & Safety Demo, Winter Equipment Dryland Deployment – Doug Gibson	
10:50 – 11:35	Ice Assessment & Ice Slotting Demonstration	Too cold to demonstrate the Ice Block removal with Capstan winch, equipment would have iced up
Time	Event and Description – Coop 7 Gregoire Lake (PM Session)	Obstacles / Challenges
12:30 – 01:05	Sign-In	
01:05 – 01:15	Introductions & WCSS Overview – Morgan Alexander	
01:15 – 02:00	Ice Rescue & Safety Demo, Winter Equipment Dryland Deployment – Doug Gibson	
02:00 – 02:45	Ice Assessment & Ice Slotting Demonstration	Too cold to demonstrate the Ice block removal with capstan winch, equipment would have iced up.
02:45 – 03:15	Clean-Up	

ICE SAFETY & RESCUE DEMO



ICE ASSESSMENTS



ATTENDANCE:

Stats from Coop 7 Exercise Sessions	Feb. 23 (AM)	Feb. 23 (PM)	Overall
No. of Participants	25	15	40
No. of Companies in Coop 7	23		
No. of Coop 7 Member Companies Represented	13	7	17
% of Coop Membership Representation	57%	30%	74%

Member Companies in Attendance (from both sessions):	
Athabasca Oil Corporation	Inter Pipeline Ltd.
Canadian Natural Resources Limited	Meg Energy Corp.
Canadian Natural Upgrading Limited	Northern Courier Pipeline GP Ltd. (TC Energy)
Cenovus Energy Inc.	Secure Energy Services Inc.
CNOOC Petroleum North America ULC	Suncor Energy Inc.

Enbridge Pipelines Inc.	Synchrude Canada Ltd.
Grand Rapids Pipeline GP Ltd. (TC Energy)	White Spruce Pipeline GP Ltd. (TC Energy)
Greenfire Resources Operating Corporation	Wolf Midstream
Imperial Oil Resources Limited	
Member Companies Not in Attendance (of all 4 sessions):	
Connacher Oil & Gas Limited	Pembina Pipeline Corporation
ConocoPhillips Canada Resources Corp	Petrochina Canada Ltd.
IPC Canada Ltd.	Pure Environmental Waste Management Ltd.
Non-Member Companies In Attendance (of all 4 sessions):	
Harvest Operations (for Coop 1)	