

Third Workshop on Marine Black Carbon Emissions: Measuring and controlling BC from marine engines

September 7 and 8, 2016

Agenda

Workshop Goals:

- Solidify recommendations for marine BC measurement approaches
- Identify effective technological, operational, and policy strategies to control black carbon emissions from marine engines.

Day 1

Time	Activity	Details
9:00-9:30 am	Registration and Coffee	
9:30-9:45 am	Welcome Remarks and Review of Agenda Richard Holt, ECCC Dan Rutherford, ICCT	
9:45-10:00 am	Brief Summary of Previous Workshops and Background Dan Rutherford, ICCT	- Project background - Definition of BC - Measuring BC - IMO Context
10:00-11:15 am	Session 1: Measuring Marine BC Ralf Oldenburg & Peter Lauer, MAN Kent Johnson, UCR Greg Smallwood, NRC-Canada	-Setup -Instruments -Results -Reporting protocols
11:15-11:30 am	Break	
11:30 am-12:30 pm	Session 2: Marine Fuels and BC Päivi Aakko-Saksa, VTT, Finland Wayne Miller, UCR	- Engines - Fuels - Instruments - Results
12:30-1:15 pm	Lunch (Provided)	
1:15-2:30 pm	Session 3: BC Control Technologies and Operational Strategies George Lin, Caterpillar Jiacheng Yang, UCR Mike Geller, MECA	- Technologies - Operational strategies - BC reduction potential - Implementation challenges/opportunities
2:30-2:45 pm	Break	
2:45-4:00 pm	Session 4: Potential BC Control Policies Sian Prior, ECF Contractor Tom Brewer, ICTSD Jan Hulskotte, TNO	- Policy alternatives - BC reduction potential - Implementation challenges/opportunities
4:00-4:15 pm	Day 1 Closing Remarks Dan Rutherford, ICCT	- Closing remarks - Logistics for dinner - Preview of Day 2 agenda
4:15 pm	Adjourn	
6:30-9:30 pm	Group Dinner Vancouver Harbor Sunset Dinner Cruise 501 Denman Street, Vancouver, V6G 2W9	-Cruise begins 7:00 p.m. sharp. Please arrive at 6:30 p.m. to board.

Day 2

9:00-9:30 am	Coffee	
9:30-9:45 am	Recap of Day 1	- Brief recap of Day 1 - Instructions for Breakouts
9:45-11:15 am	Breakout Groups (concurrent) 1. BC Measurement Protocols 2. BC Control Policy Alternatives	Goal: Identify areas of consensus and questions for the larger group to discuss after lunch
11:15 am-12:15 pm	Groups Report Out	Report out to include larger questions or issues needing more input
12:15-1:00 pm	Lunch (Provided)	
1:00-2:00 pm	Discussion 1: BC Measurement Protocols Facilitated by ICCT	Outcome: Identify promising BC measurement protocols related to controlling marine BC; capture challenges and opportunities
2:00-3:00 pm	Discussion 2: Potential BC Control Policies Facilitated by ICCT	Outcome: Identify promising potential BC control policies; capture challenges and opportunities
3:00-3:15 pm	Break	
3:15-4:00 pm	Discussion 3: Future Research Needs Facilitated by ICCT	Outcome: Identify future research needs related to controlling marine BC
4:00-4:30 pm	Summary of Workshop Outcomes Dan Rutherford, ICCT	Outcome: Agree on key workshop outcomes
4:30-4:45 pm	Closing Remarks Paul Izdebski, ECCC Dan Rutherford, ICCT	
4:45 pm	Adjourn	