



# C-NLOPB Spill Response Lessons Learned

December 3, 2019

# Lessons Learned

## Principles of Spill Response plans

1. Health and Safety is the top priority and should never be compromised;
2. Protection of the Environment with an emphasis on protecting sensitive resources;
3. Operational decisions should maximize Net Environmental Benefit; and
4. Operational response should include a wide range of resources and technology.

# Recommendations for Lessons Learned

## **Item 1: Better surveillance and monitoring of subsea assets for producing facilities**

- Review current procedures regarding providing better observation and monitoring capabilities of existing/future subsea infrastructure.
- Ensure integrity of subsea infrastructure and better response times.

**Action Item:** Operators will review current operations and report back to the C-NLOPB with a plan that achieves the goal of better surveillance and monitoring of their subsea assets.

# Recommendations for Lessons Learned

## **Item 2: Review and update operator contingency plans to meet government agencies' expectations**

- The Canadian Wildlife Service (CWS) has draft guidelines which describe the requirements for spill preparedness and response plans with respect to wildlife response preparedness, monitoring/mitigation preparedness.

**Action Item:** Operators will review their wildlife response plans and update their contingency plans so that they are consistent with guidelines as soon as possible.

# Recommendations for Lessons Learned

## **Item 3: Improved initial data collection and sharing**

- Issues with the initial data collection in terms of wildlife monitoring and surveillance.
- Need consistent format in which the initial data is collected and shared with partnering government agencies and stakeholders:
  - Aerial surveillance data packages;
  - Tracker buoy information;
  - Field observation requirements and reporting;
  - Wildlife observers information, trajectory modelling; and
  - Mapping.

**Action Item:** Review initial data requirements for contingency response plans and formats.

# Recommendations for Lessons Learned

## **Item 4: Operators will update the Marine Hydrocarbon Spill Response Capability report to incorporate lessons learned**

- Issues with containment and recovery capabilities, equipment used during the responses and tactics used by response contractors.
- The report needs to be updated in terms of:
  - Current offshore operations
  - Descriptions of current physical environment and resources at risk
  - Potential sources/characteristics of crude oils which include oil/products in storage cells
  - Summary of current oil inventory that has been tested to date
  - Oil spill fate and behavior modeling update
  - Updated list of available equipment for containment and recovery from operators/response agencies
  - Review of the containment and recovery capabilities used in responses in varied environment conditions
  - Offshore oil spill cooperatives and agencies that include Tier 3, Tier 2 and response organization capabilities

**Action Item:** This report is required to be completed in 2020 and presented at the 2020 C-NLOPB Spill Prevention and Response Forum.