



Spill Capability Assessment Report Update
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Overview

- **Context**
 - CAPP's Role in Spill Prevention & Response
 - Spill Prevention and Response
- **Background – Spill Response Capability Assessment Report**
- **Overview of Capability Report and Recommendations**
- **Improvements in Spill Response Capability**



Context – CAPP's Role in Spill Prevention & Response

- **In Atlantic Canada, CAPP manages a variety of industry committees and task forces, including:**
 - Environment Committee
 - Safety Committee
 - Training & Qualifications Committee (Secretariat)
 - Dispersants/Spill Prevention and Response Task Force
- **Through committee work, industry works to find solutions to issues affecting the industry as a whole, identifies and evaluates continuous improvement opportunities, and reviews guidelines and regulations**
- **CAPP provides educational resources and background information to the public, and can provide a third party perspective and voice to media on general spill prevention and response practices**

Context – Spill Prevention & Response

- Offshore operations designed with prevention first philosophy
- A variety of process and engineering controls are put in place to minimize the likelihood of a spill. Examples:
 - Comprehensive management systems
 - Detailed preventative and corrective maintenance routines
 - Facility and well design minimize potential for releases
 - Backup systems to ensure redundancy
- Operators take a tiered approach to spill response :
 - Tier 1 - Equipment and resources offshore on the installation or support vessel (Vessel Equipment)
 - Tier 2 - Equipment and resources onshore that can be mobilized to support the offshore response (ECRC Equipment)
 - Tier 3 - Equipment and resources that can be accessed nationally or internationally (OSRL and the Global Response Network)

Spill Capability Assessment Report - History

- In 2009 NL's producing operators, through CAPP, produced a report titled "Marine Hydrocarbon Spill Response Capability Assessment, Jeanne d'Arc Production Operations"
- Updates were provided from operators to the C-NLOPB via letters between 2010 and 2013; in April 2013 the C-NLOPB considered the review of the report closed
- Various reviews were being completed during the 2010-2013 period (Turner Report and the US President's Report on the Macondo accident) and findings were considered in the review
- Purpose of the report is to assess response capability in a holistic and comprehensive manner, to compliment operator-specific detail provided in individual operator spill response plans

Overview of Report Recommendations

- Six continuous improvement opportunities outlined in the report
- All have been addressed in some form and others are initiatives that we will continue to assess on an ongoing basis



Overview of Report Recommendations (cont'd)

- **Recommendations:**

- Promote cooperation through the formalization of a joint operators' spill response steering committee - **Complete**
- Develop training & maintenance program for newly purchased equipment through ECRC (Norlense 1200-R boom and Framo Transrec 150 weird skimmer) – **Complete and a second system was purchased**
- Improve efficiency of deployment of Tier 1 equipment and mobilization of Tier 2 - **Ongoing**
- Consider new technologies to enhance capability – **Ongoing**
- Consider the use of dispersants as an oil spill countermeasure in NL - **Complete**
- Monitor and support oil spill response R&D - **Ongoing**

Improvements in Response Capability

- **Regulatory/Legislative**
 - Spill Treating Agent Regulations
 - Adoption of ECCC seabird observation protocol into response training
- **Equipment/Technology**
 - Addition of new SVSS in 2017; currently conducting a market study for another
 - Introduction of Oil Spill Radar
 - Source Control Response (including well capping)
 - Containment technology
 - Relief well planning
- **Joint Exercises**
 - Annual “Synergy” on-water exercise and operator tabletop exercises
 - Industry participates in government-led exercises



Improvements in Response Capability (cont'd)



- **Dispersants:**
 - Creation of effectiveness test protocol
 - Exercised the field test approval submission with the C-NLOPB
 - Acquisition of Corexit 9500 in the basin & International agreements
- **Source Control Response Plan development & exercising by operators**
- **Research**
 - Various studies conducted through Petroleum Research Newfoundland and Labrador and the Environmental Studies Research Fund
 - Participating in the Government of Canada's Multi-Partner Research Initiative related to spill response

Conclusion



- **Priority is prevention**
- **All response capability recommendations have been implemented**
- **Capability Report to be formally updated in 2020**
- **Significant enhancements to response capability since report was released**
- **Continuous improvement approach to spill prevention & response**
 - Operators reviewing spill response plans and updating based on new draft government guidelines
 - Reviewing communication protocols
- **Operators continue to assess new research and technology as it becomes available to identify additional improvement opportunities, both collectively and individually**