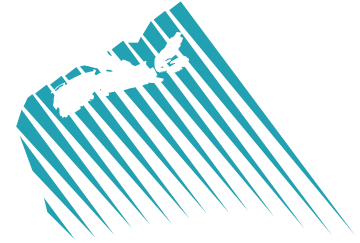


# MANAGING HAZARDS

EVENT: Spill Incident



**THREATS** e.g. loss of well control

**CONSEQUENCES**

**PREVENTION CONTROL MEASURES**

**REDUCE LIKELIHOOD**

- Technical standards & procedures
- Equipment testing, certification
- Risk assessments
- Multiple drilling safeguards

**INCREASED REGULATORY EXPECTATIONS** (post-Macondo)

- Independent well examiner
- Improved blow-out preventers
- Real time monitoring
- Increased training & competencies
- CNSOPB oversight plan

**RECOVERY MEASURES**

**MITIGATE CONSEQUENCES**

- Emergency response plan
- Oil spill response plan
- Emergency response team

**INCREASED REGULATORY EXPECTATIONS** (post-Macondo)

- Net environmental benefit analysis
- Well containment plan

SPILL INCIDENT  
PROBABILITY &  
CONSEQUENCES  
ARE REDUCED >

**THREATS**



**CONSEQUENCES**  
(REDUCED)

(REDUCED PROBABILITY)