

## C-NLOPB Quarterly Safety Incident Report

July 1, 2019 – September 30, 2019

Date Incident Occurred (YYYY-MM-DD)	Operator	Installation	Incident Classification(s) (Actual/Potential)	Incident Description
2019-07-03	MultiKlient Invest (MKI)	<i>MV Thor Freyja</i>	Actual: Occupational Illness	Worker developed sea sickness during voyage on the <i>MV Thor Freyja</i> and was unable to transfer to the <i>MV Ramform Titan</i> for crew change. Worker returned to shore.
2019-07-06	MKI	<i>MV Sanco Atlantic</i>	Actual: Near Miss  Potential: Impairment/Damage to Critical Equipment	Vessel began to lose speed during a maneuver and began to lose control of the seismic streamer trim. Crew quickly identified the issue and increased vessel speed to recover the seismic streamer trim.
2019-07-06	Husky Oil Operations	<i>SeaRose</i> FPSO	Actual: Lost/Restricted Workday Injury	Worker felt back discomfort from plugging in electrical equipment.
2019-07-07	Suncor Energy	<i>Transocean Barents</i> MODU	Actual: Near Miss	During installation of a boom hoist wire on the starboard crane, the wire being replaced slipped and dropped, resulting in 21 meters of 28 mm boom wire weighing 78 kg dropping 9.5 m in a designated black zone. No personnel were in the area at the time.

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2019-07-08	Husky Oil Operations	<i>SeaRose</i> FPSO	Actual: Implementation of Emergency Response Plan & Impairment/Damage to Critical Equipment	Loss of turret communication resulted in a general platform alarm and emergency shutdown of the facility.
2019-07-14	Suncor Energy	<i>Terra Nova</i> FPSO	Actual: Impairment/Damage to Critical Equipment	Weekly lifeboat checks identified that Lifeboat #5 bow thruster was not working correctly. Lifeboat #5 was repaired and returned to service.
2019-07-17	Hibernia Management and Development Company (HMDC)	<i>Hibernia</i> Platform	Actual: Implementation of Emergency Response Plan	Unplanned muster due to main power generator trip, prompting a general platform alarm.
2019-07-19	Suncor Energy	Helicopter	Actual: Helicopter Occurrence	Flight crew reported an intermittent engine #1 power limit and #1 full authority digital engine control fault. No power loss reported. Fault indications cleared on their own and flight continued to St. John's without further issue. Maintenance was completed and helicopter was returned to service.
2019-07-20	ExxonMobil Canada	<i>Hebron</i> Platform	Actual: Impairment/Damage to Critical Equipment	Telecoms uninterruptable power supply A switched to bypass causing the backup battery function to be out of service.

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2019-07-25	HMDC	Helicopter	Actual: Helicopter Occurrence	During helicopter taxi, the pitot #3 heat light illuminated, indicating an issue with the standby pitot tube heating system. Pitot head was replaced and helicopter was returned to service.
2019-07-26	Suncor Energy	<i>Terra Nova</i> FPSO	Actual: Impairment/Damage to Critical Equipment	During routine checks, an O-ring leak on one of the three accumulators for the Torus IV was identified. Part was replaced.
2019-07-27	Equinor	<i>MV Fugro Synergy</i>	Actual: Implementation of Emergency Response Plan Potential: Fire/explosion	Fire alarm on <i>MV Fugro Synergy</i> due to smoke detection at the bonsun store, with smoke reported coming from central vacuum unit. Risk of fire was assessed and eliminated by crew.
2019-07-28	HMDC	<i>Hibernia</i> Platform	Actual: Impairment/Damage to Critical Equipment	Accumulator pumps were engaging to repressurize accumulator. Upon investigation, pressure loss was observed at a valve on the accumulator unit.
2019-07-28	HMDC	<i>Hibernia</i> Platform	Actual: Lost/Restricted Workday Injury & Medevac	Worker was attempting to ascend a ladder when they felt discomfort in their arm. Nurse determined an onshore assessment was required.

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2019-07-30	Suncor Energy	<i>Transocean Barents</i> MODU	Actual: Implementation of Emergency Response Plan	Hydrogen Sulfide (H <sub>2</sub> S) alarm indicated 9 ppm of H <sub>2</sub> S at the HVAC intake for the shaker house. Sensor was determined to be faulty and was replaced.
2019-08-03	HMDC	<i>West Aquarius</i> MODU	Actual: Implementation of Emergency Response Plan	Unplanned muster due to faulty sensor. The general alarm was sounded, indicating high gas in the drilling package HVAC ducting.
2019-08-03	Suncor Energy	<i>Terra Nova</i> FPSO	Actual: Lost/Restricted Workday Injury	Worker injured right thumb while working on drill bit. Air in the line was turned off but the hose was not bled down, which caused the drill to spin and bend the worker's thumb backwards.
2019-08-07	HMDC	<i>West Aquarius</i> MODU	Actual: Implementation of Emergency Response Plan	Unplanned muster due to faulty sensor. The H <sub>2</sub> S alarm was sounded indicating presence of H <sub>2</sub> S on the drill floor set back area.
2019-08-11	MKI	<i>MV Strait Hunter</i>	Actual: Impairment/Damage to Critical Equipment	Vessel experienced a loss of steering due to issue with starboard steering pump. The engine room was notified and steering was restored (solenoid replaced).



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2019-08-13	HMDC	Helicopter	Actual: Helicopter Occurrence	On return flight from installation, crew experienced an air conditioning fail. The system was reset and returned to normal operations.
2019-08-14	Suncor Energy	<i>Transocean Barents</i> MODU	Actual: Impairment/Damage to Critical Equipment	During annual visual inspection, a crack was noticed on the corner of a clutch dog on the intermediate gear for anchor winch 7/8. Winch was repaired and returned to service.
2019-08-17	HMDC	<i>Hibernia</i> Platform	Actual: Implementation of Emergency Response Plan & Spill	After the platform experienced a loss of main power and subsequent pressure decay in air lines which hold deluge release valves closed, deluge water was released into multiple areas and resulted in overflow of the hazardous open drains tank and oil spill to sea.
2019-08-17	ExxonMobil Canada	<i>Hebron</i> Platform	Actual: Impairment/Damage to Critical Equipment	General platform alarm due to solenoid fault following deluge system testing.
2019-08-18	HMDC	<i>Hibernia</i> Platform	Actual: Impairment/Damage to Critical Equipment	Firewater pump B was taken out of service due to water ingress into the control panel.

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2019-08-18	HMDC	<i>Hibernia</i> Platform	Actual: Impairment/Damage to Critical Equipment	Seatbelts in coxswain and assistant coxswain chairs on lifeboat 5 were unserviceable so they were replaced.
2019-08-18	MKI	<i>M/V Strait Hunter</i>	Actual: Impairment/Damage to Critical Equipment	Vessel experienced a loss of steering due to issue with starboard steering pump. The engine room was notified and steering was restored (valve replaced).
2019-08-21	HMDC	<i>Hibernia</i> Platform	Actual: Medevac  Potential: Lost/Restricted Workday Injury	While working on elevator inserts on the top drive system, the worker's left arm came in contact with the elevator latch.
2019-08-22	HMDC	<i>West Aquarius</i> MODU	Actual: Implementation of Emergency Response Plan	Unplanned muster due to the result of a faulty sensor in wireline unit.
2019-08-23	ExxonMobil Canada	<i>Hebron</i> Platform	Actual: Medevac Potential: Major Injury	Worker had a small residual chemical spray to the right side of the face/eye, underneath the face shield.
2019-08-23	Husky Oil Operations	<i>Henry Goodrich</i> MODU	Actual: Leak of Hazardous Substance	Accidental accumulation of H <sub>2</sub> S in the pit room.

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2019-08-24	ExxonMobil Canada	<i>Hebron</i> Platform	Actual: Impairment/Damage to Critical Equipment & Significant Hydrocarbon Release	Three gas detectors on main deck mezzanine showed low level gas. Leak path was determined and spare component was installed.
2019-08-25	Petroleum Geo-Services (PGS)	M/V <i>Sanco Atlantic</i>	Actual: Implementation of Emergency Response Plan  Potential: Fire/Explosion	Approximately 20 litres of lube oil leaked in a cracked pipe, with some spraying onto surrounding hot surfaces. This generated smoke to activate fire detection. It was quickly determined that there was no visible fire and the leaking pipe was replaced.
2019-08-25	HMDC	<i>Hibernia</i> Platform	Actual: Impairment/Damage to Critical Equipment	Duty diesel fire water pump A was found to have an impairment and did not start.
2019-08-27	HMDC	Helicopter	Actual: Helicopter Occurrence	Helicopter experienced a momentary active vibration control degrade fault while on route to St. John's. Crew reset the system in flight. The fault eventually returned. Helicopter landed without incident and the fault was rectified on the ground by the maintenance crew

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2019-08-29	Husky Oil Operations	<i>SeaRose</i> FPSO	Actual: Implementation of Emergency Response Plan	General platform alarm was initiated as a result of galley refrigerant detection device high level reading. Upon fire team investigation of the area, it was confirmed that no refrigerant leak had occurred.
2019-08-31	Husky Oil Operations	<i>Henry Goodrich</i> MODU	Actual: Lost/Restricted Workday Injury	While walking, the worker's arm hooked into a bar protruding from a tool storage cabinet causing their body to twist. Back pain worsened over the following days and worker was sent onshore for further assessment.
2019-08-31	PGS	<i>M/V Thor Magni</i>	Actual: Impairment/Damage to Critical Equipment	Loss of propulsion for a period of about five minutes (the other vessel in the area was notified so they could keep their distance).
2019-09-05	Suncor Energy	<i>Terra Nova</i> FPSO	Actual: Impairment/Damage to Critical Equipment	During a routine test a deluge skid clack valve was found to be inoperable due to it being installed in the reverse direction. Deluge skid was subsequently reinstated for service.



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2019-09-06	Husky Oil Operations	<i>SeaRose</i> FPSO	Actual: Implementation of Emergency Response Plan	A general platform alarm and emergency shutdown were activated on the <i>SeaRose</i> FPSO from the vessels forward turret area. Deluge was automatically triggered and the facility topsides successfully depressurized as designed. Investigation revealed that a fitting in the pneumatic heat detection had parted.
2019-09-06	Suncor Energy	<i>Transocean Barents</i> MODU	Actual: Major Injury & Medevac  Potential: Fatality	Worker suffered chest injury after being pinned between a handrail and a handling adaptor on the main side tubular feeding machine. The adaptor, which weighed 1400 kg, hinged when starboard crane hook was raised after getting caught in the adaptor.
2019-09-07	Husky Oil Operations	<i>SeaRose</i> FPSO	Actual: Implementation of Emergency Response Plan	High/high alarm on accommodations air intake H <sub>2</sub> S detector resulting in general platform alarm. Following full muster, the fire team investigation revealed the cause was a sensor failure with false activation. Detector was replaced and system returned to full functionality.

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2019-09-08	Husky Oil Operations	<i>Henry Goodrich</i> MODU	Actual: Impairment/Damage to Critical Equipment	Power lost to mud logging unit causing impairment to geo services interact system.
2019-09-09	HMDC	<i>Hibernia</i> Platform	Actual: Impairment/Damage to Critical Equipment	Firewater line including two sprinkler nozzles became disconnected.
2019-09-11	ExxonMobil Canada	Helicopter	Actual: Helicopter Occurrence	While on the deck of the installation the helicopter experienced an air data computer failure. The system was reset while on the helideck and returned to St. John's without further incident.
2019-09-12	ExxonMobil Canada	<i>Hebron</i> Platform	Actual: Implementation of Emergency Response Plan	While preparing for upgrades a general platform alarm sounded due to a failure of the central equipment room controller.
2019-09-12	ExxonMobil Canada	Helicopter	Actual: Helicopter Occurrence	While on deck of the installation, a full-authority digital engine control 1 and 2 fault was reported. The pilots shut down and reset the system and the faults were cleared. The flight continued to St. John's with no issues.
2019-09-13	Suncor Energy	<i>Terra Nova</i> FPSO	Actual: Leak of Hazardous Substance	After biocide was decanted, it was discovered that an estimated 600 liters of biocide had overflowed the biocide tank into a bunded area. There was no release to the environment.

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2019-09-19	HMDC	<i>West Aquarius</i> MODU	Actual: Near Miss	While moving drill pipe using the pipe deck pipe handler crane, worker heard a noise and observed that the railing around the crane maintenance platform had come in contact with the top of the subsea v-doors (the railing had struck and damaged the crane's winch motor). There were no dropped objects and no personnel were in the area. All barriers were in place at the time of the incident.
2019-09-21	HMDC	<i>West Aquarius</i> MODU	Actual: Implementation of Emergency Response Plan	There was an unplanned muster due to a faulty gas sensor in the drilling utility room.
2019-09-22	Husky Oil Operations	<i>SeaRose</i> FPSO	Actual: Impairment/Damage to Critical Equipment	During planned maintenance involving flow testing of a fire zone, the associated deluge valve would not reseal closed following the flow test. The deluge valve was isolated and a manual bypass was made available while a replacement deluge valve was installed.



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2019-09-25	HMDC	<i>Hibernia</i> Platform	Actual: Lost/Restricted Workday Injury	Worker was exiting cabin restroom when their right foot contacted the door threshold resulting in discomfort to their right ankle.
2019-09-28	HMDC	<i>West Aquarius</i> MODU	Actual: Implementation of Emergency Response Plan	Unplanned muster due to manual call point activation (false alarm).
2019-09-30	Husky Oil Operations	<i>SeaRose</i> FPSO	Potential: Lost/Restricted Workday Injury	Worker felt discomfort in lower back after lifting an object (approximately 20 kg) from a cart and transporting it to a workbench. Worker was provided over the counter medication and returned to normal duties.