



C-NLOER Quarterly Safety Incident Report

January 1, 2024 – March 31, 2024

Date Incident Occurred (YYYY-MM-DD)	Operator	Installation	Incident Classification(s) (Actual/Potential)	Incident Description
2024-01-01	ExxonMobil Canada Properties (EMCP)	Hebron Platform	Actual: Implementation of Emergency Response Plans	A General Platform Alarm (GPA) was activated due to a false indication of smoke in a Heating, Ventilation and Air Conditioning (HVAC) system. All personnel safely mustered. The fire team was dispatched and confirmed there was no smoke or fire. Faulty detectors were replaced.
2024-01-02	Cenovus Energy Inc. (Cenovus Energy)	SeaRose Floating Production Storage and Offloading (FPSO)	Actual: Implementation of Emergency Response Plans	A GPA was activated when inert gas purging of cargo tanks caused the starboard crane's gas detector to go into alarm. The crew responded as per the emergency response plan and all personnel were stood down when the cause was determined.
2024-01-02	Hibernia Management and Development Company Ltd. (HMDC)	Helicopter	Actual: Helicopter Occurrence	Just before descending to land at the Hibernia Platform, there was indication of a potential anti-icing system issue. At this time, the aircraft was above the cloud layer. Based on the enroute cruising level and the layer of cloud/icing between the helicopter and the platform, the crew elected to return to St. John's. The aircraft flew back clear of cloud/icing and landed with no further issues. Maintenance replaced the anti-ice controller and the aircraft was returned to service.



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2024-01-04	Cenovus Energy	SeaRose FPSO	Actual: Major Injury	A worker tripped on a raised deck hatch handle and landed on their shoulder. The worker reported to the medic and was sent onshore for follow-up. Diagnostic testing revealed a torn bicep and a requirement for surgery.
2024-01-06	Suncor Energy Inc. (Suncor Energy)	Terra Nova FPSO	Actual: Implementation of Emergency Response Plans	A GPA was activated upon gas detection in a process area. A full muster was achieved and the fire team was dispatched. It was determined there were minor leaks on a compressor and associated piping.
2024-01-08	Suncor Energy	Terra Nova FPSO	Potential: Fire/Explosion	A worker noticed black soot on a valve flange. They removed the insulation bag and found charring under the insulation. There was no heat or smoke but the heat trace was damaged.
2024-01-08	Suncor Energy	Terra Nova FPSO	Potential: Impairment/Damage to Critical Equipment	Post-storm checks noted an anomaly with a mooring chain transponder. An inspection was completed and the mooring chain was found to be properly connected with no visible damage. The transponder had been dislodged and was located on the seabed. The transponder was reinstalled.
2024-01-11	Suncor Energy	Helicopter	Actual: Helicopter Occurrence	An inbound flight initiated a missed approach for landing at the airport when the ground station side of the instrument landing system was lost for the designated runway. Landing was completed on another runway without incident.



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2024-01-11	Suncor Energy	Terra Nova FPSO	Actual: Leak of Hazardous Substance	A worker was completing rounds within a machinery space when they noticed diesel leaking from a hose on the starboard key service generator. The unit was shutdown and the worker isolated the leak. The leak was contained and approximately 200 L of diesel fuel was recovered. The hose was replaced.
2024-01-12	HMDC	Hibernia Platform	Actual: Impairment/Damage to Critical Equipment	Issues were identified with a radar system. The platform's Standby Vessel (SBV) radar was functioning and used as supplemental radar until the platform's radar system was repaired.
2024-01-13	Suncor Energy	Terra Nova FPSO	Actual: Implementation of Emergency Response Plans Actual: Significant Hydrocarbon Release	A GPA was activated during leak detection activities on a gas compressor. A full muster was achieved and the fire team was dispatched to investigate. The area was clear and the gas had dissipated. Thermal imaging confirmed the source of the leak. 52.7 kg of hydrocarbon gas was released following the removal of a bolt plug to install a nitrogen hose required for leak testing. Workers in the area were not exposed. Their personal gas monitors did not go into alarm and was confirmed by viewing data logs following the incident.



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2024-01-14	Suncor Energy	Terra Nova FPSO	Actual: Impairment/Damage to Critical Equipment	During regular helideck checks, a helideck fire monitor motor was found to be seized. Due to a previous issue with another fire monitor, two of three helideck fire monitors were out of service. Normal helicopter operations were suspended until repairs were completed later the same day. A temporary setup was implemented for emergency landings only.
2024-01-15	Suncor Energy	Terra Nova FPSO	Actual: Impairment/Damage to Critical Equipment	While performing pre-use checks, one of the two personnel transfer devices was identified to be out of certification. A third personnel transfer device was requested from onshore and was put on the next sailing vessel for offshore use.
2024-01-16	Cenovus Energy	SeaRose FPSO	Actual: Impairment/Damage to Critical Equipment	Personnel identified that a Cargo Oil Tank (COT) that had recently been washed and cleaned in preparation for drydock contained approximately 176 m ³ of water. It was found that a water ballast tank was communicating with the COT. A temporary repair was made to prevent the communication and a permanent repair was completed in the shipyard.
2024-01-17	Suncor Energy	Helicopter	Actual: Helicopter Occurrence	An outbound flight was approximately 74 km from St. John's when the crew identified a sensor issue. The crew attempted a reset with no resolution. Criteria for flight continuation were not met so the aircraft returned to St. John's. The flight arrived without further issue and passengers were briefed on arrival. Maintenance replaced a pitot probe and the aircraft was returned to service.



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2024-01-23	Cenovus Energy	Helicopter	Actual: Helicopter Occurrence	There was a Search and Rescue (SAR) service outage to the offshore for approximately 13 hours due to crew illness. All basin operators were made aware of the outage. There was no interruption to offshore medevac coverage during this time.
2024-01-23	Cenovus Energy	SeaRose FPSO	Actual: Implementation of Emergency Response Plans	A Manual Call Point (MAC) was inadvertently contacted, which resulted in a GPA and activation of the emergency response plan. The crew mustered and the fire team verified the GPA had resulted from the unintentional activation of the MAC.
2024-01-25	Cenovus Energy	Helicopter	Actual: Helicopter Occurrence	An outbound flight was approximately 111 km from St. John's when an anti-ice engine fail caution illuminated. Criteria for flight continuation were not met so the aircraft returned to St. John's. Passengers were briefed in flight and again upon arrival. Inspection indicated an inlet assembly heater mat failure. The inlet assembly was replaced and the aircraft was returned to service.
2024-01-25	Suncor Energy	Terra Nova FPSO	Actual: Implementation of Emergency Response Plans	A high gas alarm was activated via a gas detector adjacent to a flare knockout drum, initiating a GPA. All crew mustered. The emergency response team determined the area was safe and all crew returned to normal duties.



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2024-01-25	HMDC	Hibernia Platform	Actual: Impairment/Damage to Critical Equipment	Main power was inadvertently tripped during construction activities. Five essential generators started but only two were kept on-line due to load sharing issues causing the other units to trip off. Sufficient power was available to supply critical utility systems. Electricians were able to restore appropriate load sharing to the units, enabling all five generators to be operational. Main power was subsequently restored.
2024-01-28	Suncor Energy	Terra Nova FPSO	Actual: Impairment/Damage to Critical Equipment	It was communicated that the secondary Closed-Circuit Television (CCTV) flame detection system was not functioning and inhibited (areas protected by CCTV flame detection are also protected by pneumatic heat detection, as the primary means of fire detection). Additional risk reduction measures were implemented by the operator while plans to upgrade and return the CCTV flame detection system to service are implemented.
2024-01-30	EMCP	Hebron Platform	Actual: Impairment/Damage to Critical Equipment	In preparation for routine maintenance on the water injection system, a section of piping was exposed to higher pressure than the design rating, resulting in gasket damage and subsequent release of water to the local area. There was no safety or environmental consequence as a result of this incident.



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2024-02-01	Suncor Energy	Terra Nova FPSO	Actual: Impairment/Damage to Critical Equipment	The power supply for the marine racon failed, leaving it inoperable. The marine racon (or radar transponder beacon) is used in navigation to assist mariners in identifying high risk areas or critical assets. The SBV was notified to heighten watch keeping within the installation safety zone, and a notice to mariners warning was issued. The device was refurbished and returned to service.
2024-02-07	Suncor Energy	Helicopter	Actual: Helicopter Occurrence	There was a SAR service outage to the offshore for approximately 12 hours due to crew illness. Based on a phone call to the C-NLOER Duty Officer, it was communicated that all basin operators were made aware of the outage, and that there was no interruption to offshore medevac coverage.
2024-02-11	Suncor Energy	Terra Nova FPSO	Actual: Impairment/Damage to Critical Equipment	A firewater pump was taken offline for inspection. During the test run to return the pump to service, technicians noted higher than expected vibrations and a burning smell. Workers shutdown the pump. The standby firewater pump was confirmed to be healthy and a seawater lift pump was brought online (in firewater mode) until pump repairs could be completed.
2024-02-11	Suncor Energy	Terra Nova FPSO	Actual: Implementation of Emergency Response Plans	When the seawater lift pump was put into service in firewater mode (see above incident), a passing deluge system valve initiated a GPA. A full muster was achieved. The fire team confirmed the passing valve and that there was no fire in the area.



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2024-02-15	EMCP	Hebron Platform	Actual: Implementation of Emergency Response Plans	During scheduled maintenance of the fire and gas system, a GPA was initiated due to a false indication of smoke. All personnel mustered and the fire team confirmed there was no smoke in the area.
2024-02-17	Suncor Energy	Terra Nova FPSO	Actual: Implementation of Emergency Response Plans	A GPA was activated via the fire detection system. All personnel mustered. The fire team confirmed no actual fire event. Upon investigation, it was determined that a frangible bulb had dislocated from its holder, causing the false fire detection and the unplanned GPA.
2024-02-20	HMDC	Helicopter	Actual: Helicopter Occurrence	During an outbound flight from St. John's, the helicopter received indication of a blocked pitot tube. The aircraft turned around to return to St. John's. SAR protocol was engaged, with the SAR aircraft on standby. The aircraft landed safely. Passengers were briefed in the aircraft and upon arrival. Follow up with the pilot indicated that there was a discrepancy in airspeed indication on their respective indicators and not a system blockage. A purge of the pitot static system was conducted as a precaution but there was no moisture present. A pitot static system test was conducted and the helicopter was returned to service.
2024-02-26	EMCP	Hebron Platform	Actual: Implementation of Emergency Response Plans	A GPA was activated due to false hydrogen sulphide detection in a HVAC system. All personnel mustered. Water was found in the detector, which was determined to have caused the false detection.



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2024-02-27	HMDC	Hibernia Platform	Actual: Impairment/Damage to Critical Equipment	The SBV's propeller became entangled with a handling rope and was no longer able to fulfil its duties. All activities requiring SBV support on the installation were halted. Nearby installations were notified and were ready to provide assistance if required. An alternate SBV was mobilized from St. John's.
2024-03-02	Suncor Energy	Terra Nova FPSO	Potential: Lost/Restricted Workday Injury	A worker was descending a cabin top bunk ladder. As the worker was stepping onto the floor, the ladder disconnected from the bunk rail. The worker struck their forearm against the edge of a sofa, causing a soft tissue injury. They also noted discomfort in their lower back and leg. The worker saw the medic for an assessment and was provided pain medication. The worker returned to normal duties the following day.
2024-03-12	Suncor Energy	Terra Nova FPSO	Potential: Fire/Explosion	A worker noticed charring and soot-like material on insulation bags for a pressure safety valve. There was no indication of heat or smoke, and the heat trace end seal light was not illuminated. A decision was made to shut down production and complete an investigation. It was determined the associated heat trace circuit failed to trip when there was a short in the circuit, which led to excessive heat and charring under the insulation.