



## C-NLOER Quarterly Safety Incident Report

April 1, 2024 – June 30, 2024

Date Incident Occurred (YYYY-MM-DD)	Operator	Installation	Incident Classification(s) (Actual/Potential)	Incident Description
2024-04-01	Suncor Energy Inc. (Suncor Energy)	<b>Terra Nova</b> Floating Production Storage and Offloading (FPSO)	Actual: Impairment/Damage to Critical Equipment	A pedestal crane shut down due to an engine overspeed trip, as per the system design. There was no load on the crane at the time. The crane operator was unable to restart or function the crane. The crane was taken out of service for repair.
2024-04-02	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Implementation of Emergency Response Plans Actual: Significant Hydrocarbon Release Actual: Leak of Hazardous Substance	A General Platform Alarm (GPA) and Emergency Shut Down (ESD) were initiated based on gas detection in the turret. The fire team was dispatched to the area to investigate, confirming no readings on gas detection. The plant remained offline while production operators investigated and found a small leak on a manifold drain line. The 20 L of crude oil that leaked was contained and fully recovered, with none going to sea. An estimated 2.53 kg of hydrocarbon gas was released.
2024-04-02	Hibernia Management and Development Company Ltd. (HMDC)	Helicopter	Actual: Helicopter Occurrence	Upon departure from the <b>Hibernia</b> Platform, a passenger reported that the lower air-stair door was not properly closed. This was confirmed by the crew; however, the door light was not illuminated. The helicopter returned to the platform and the door was correctly closed.  The aircraft returned to St. John's with no other issues. Maintenance performed a detailed inspection of the door and a spring was replaced.



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2024-04-07	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Impairment/Damage to Critical Equipment	A pedestal crane experienced an unexpected increase in engine revolutions per minute during operation. This was not considered an overspeed and did not cause a trip, and did not result in an uncontrolled decent of the load. The crane operator reported this to the crane vendor who was on board and safely lowered the load. Given the overspeed issue with another pedestal crane on April 2, the decision was made to temporarily suspend the operation of this crane pending investigation. With both pedestal cranes out of service, both personnel transfer devices were unavailable until a pedestal crane was returned to service.
2024-04-17	HMDC	Helicopter	Actual: Helicopter Occurrence	The aircraft experienced an Active Vibration Control (AVC) failure indication approximately 20 minutes prior to landing at the <b>Hibernia</b> Platform. All procedures were followed and the aircraft landed on the platform. Passengers were briefed in the aircraft and after landing. Inbound passengers were briefed before departing. The flight landed at St. John's without issue. Maintenance assessed the aircraft's AVC system history and checked for relevant fault codes. The aircraft was powered down and started up with no fault found. Multiple tests were completed with no fault found. The AVC system was determined to be serviceable.



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2024-04-26	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Impairment/Damage to Critical Equipment	There was a three second delay on the boom function while completing pre-start checks on a crane. All terminal connections in the controller were checked and some terminals were found to be loose. Once all were verified, the crane was restarted and functioned without issue.
2024-04-29	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Impairment/Damage to Critical Equipment	During routine maintenance, the joystick used to operate a lifeboat bow thruster was found to be non-operational (sufficient lifeboat capacity remained available). The joystick was replaced.
2024-04-29	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Impairment/Damage to Critical Equipment	While conducting crane operations with a load of approximately 200 kg, the midship crane went into alarm status. The crane operator acknowledged the alarm and restarted the crane successfully.
2024-05-04	HMDC	<b>Hibernia</b> Platform	Actual: Impairment/Damage to Critical Equipment	Hydraulic fluid was leaking into a crane gearbox. The crane was taken out of service. A part was replaced and the crane was returned to service.
2024-05-08	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Implementation of Emergency Response Plans	While removing isolations on deluge skids, a pressure alarm was unintentionally activated, resulting in a General Platform Alarm (GPA). A full muster was completed and the alarm was cleared.
2024-05-08	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Implementation of Emergency Response Plans	A GPA and ESD were initiated via the fire and gas system in conjunction with the loss of two main power generators. A full muster was achieved. Upon investigation it was determined to be a false activation.



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2024-05-09	Suncor Energy	Helicopter	Actual: Helicopter Occurrence	The engine inlet anti-ice caution illuminated on final approach to the <b>Terra Nova</b> FPSO, and remained on after the inlet switch was cycled. The crew performed all applicable procedures and landed on the FPSO. Outbound and inbound passengers were briefed. The inlet fail was deferred and the aircraft returned to St. John's with passengers with no further issues. Maintenance found a heater mat failure and replaced the inlet.
2024-05-11	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Leak of Hazardous Substance Potential: Significant Hydrocarbon Release	During an annulus dewatering program, low gas levels were detected in the Quick Connect/Disconnect (QCDC) Room. Gas levels did not result in a shut down. Dewatering operations were suspended and risers were isolated and de-pressured. There was no obvious leak path identified, and the leak could not be replicated; however, a valve flange face was inspected and two O-rings were replaced.
2024-05-13	ExxonMobil Canada Properties (EMCP)	<b>Hebron</b> Platform	Actual: Implementation of Emergency Response Plans	The platform mustered due to a GPA initiated by a manual call point. After the area was deemed safe, workers were sent to troubleshoot and found no noticeable fault with the call point. In an abundance of caution, it was replaced with a new unit.
2024-05-13	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Significant Hydrocarbon Release Actual: Leak of Hazardous Substance	Frost was noticed on a gas compressor discharge supply line blow down valve. It was determined that gas was weeping through a valve seal. The valve was also passing gas to the flare. The calculated gas released was determined to be 2.86 kg over the monitoring period. The valve was replaced.



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2024-05-22	EMCP	Helicopter	Actual: Helicopter Occurrence	During an outbound flight, the crew reported an issue with transferring fuel from a fuel tank, resulting in the aircraft returned to St. John's. Maintenance performed troubleshooting and the helicopter was returned to service.
2024-05-24	EMCP	<b>Hebron</b> Platform	Actual: Implementation of Emergency Response Plans	The platform mustered due to a GPA initiated by a manual call point. After the area was deemed safe, workers found evidence of water ingress, which led to the unit activating in false alarm. The unit was replaced.
2024-05-26	HMDC	<b>Hibernia</b> Platform	Actual: Near Miss Potential: Fatality	While moving tubing with the pipe laydown system, a section weighing approximately 272 kg separated from the remaining tubing joint and fell approximately five meters to the drill floor. There were no injuries to personnel. No personnel were inside the pre-designated exclusion zone. The incident had the potential for fatality based on the Dropped Objects Prevention Scheme (DROPS) calculator.
2024-05-28	HMDC	<b>Hibernia</b> Platform	Actual: Lost/Restricted Workday Injury > 3 days & Medevac	A worker rolled their ankle after stepping onto a raised surface. The medic provided first aid treatment and implemented work limitations. Upon follow up assessment, the pain was persisting and swelling had increased. The decision was made to transfer the worker onshore for further examination.



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2024-05-29	Suncor Energy	<b>Terra Nova</b> FPSO	Actual: Leak of Hazardous Substance	A worker noticed lube oil leaking from a lube oil compressor sump. All lube oil was contained and cleaned up (approximately 50 L). There was no release to sea. The leak source was repaired.
2024-05-29	Suncor Energy	Helicopter	Actual: Helicopter Occurrence	An outbound flight was approximately 167 km from St. John's when an air data computer fail was identified. The crew made the decision to return to St. John's. During the return flight (approximately 10 – 15 minutes from St. John's), the crew decided to declare a Level 1 emergency due to instrument meteorological conditions in the field. Search and Rescue (SAR) protocols were also activated. The SAR aircraft and crew were ready within eight minutes. At this point, the flight was already on approach at St. John's and landed with no further issues. Passengers were briefed.
2024-06-04	HMDC	<b>Hibernia</b> Platform	Actual: Impairment/Damage to Critical Equipment	The decision was made to proactively take a firewater pump out of service for troubleshooting due to reduced insulation resistance readings. The three remaining firewater pumps were unaffected by this issue and remained in service, providing sufficient firewater pump capacity. The pump was returned to service following repairs.



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2024-06-06	HMDC	<b>Hibernia Platform</b>	Actual: Impairment/Damage to Critical Equipment	While completing maintenance on an essential generator, an issue was identified with the crankshaft, which was removed and sent onshore for specialty testing and measurement. The platform had four of five essential generators available, with sufficient capacity to supply all emergency loads. The essential generator was returned to service following repairs.
2024-06-11	Suncor Energy	<b>Terra Nova FPSO</b>	Actual: Impairment/Damage to Critical Equipment	It was identified that 14 out of 20 ballast system flow valves had no feedback indication. The ballast system was deemed impaired, and a repair plan was developed and implemented.
2024-06-12	HMDC	<b>Hibernia Platform</b>	Actual: Implementation of Emergency Response Plans	A GPA was unintentionally activated during deluge system testing. The fire team was dispatched and confirmed no issues in the area. There was no actual detection of fire or gas in the area.
2024-06-13	HMDC	<b>Hibernia Platform</b>	Actual: Impairment/Damage to Critical Equipment	Following a platform ESD it was identified that an essential generator failed to start when bringing systems back online. Upon investigation, an issue was identified with the governor control circuit. The essential generator was taken out of service. The platform had three of five essential generators available, with sufficient capacity to supply all emergency loads. The essential generator was returned to service following repairs.



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2024-06-15	Cenovus Energy Inc. (Cenovus Energy)	Dive Support Vessel (DSV) <b>Deep Explorer</b>	Actual: Near Miss Potential: Lost/Restricted Workday Injury	While a bumper pad and shim assembly was being positioned onto a pallet, the bumper pad separated and fell onto a worker's finger. The impact resulted in a soft tissue injury with swelling and bruising. The worker saw the medic for assessment and treatment.
2024-06-15	ExxonMobil Canada Limited (EMCL)	<b>Stena Drillmax</b>	Actual: Near Miss Potential: Impairment/Damage to Critical Equipment	During lifting operations the starboard crane made contact with the port crane boom outer handrail. The damage sustained was minor and no cracks were observed.
2024-06-16	Suncor Energy	<b>Terra Nova FPSO</b>	Actual: Implementation of Emergency Response Plans	A single point gas detector went into alarm and initiated a GPA. The fire team was dispatched. No gas was detected and the muster was stood down. It was determined that the detector was problematic and was replaced.
2024-06-17	Cenovus Energy	DSV <b>Deep Explorer</b>	Actual: Near Miss Potential: Lost/Restricted Workday Injury	A worker was completing hydrostatic testing of a hose. After filling the hose with water, air was introduced into the circuit when the pump regulator failed. This resulted in a fragment of the regulator striking the worker in the face, which resulted in superficial abrasions and swelling. The worker saw the medic for assessment and treatment.
2024-06-17	ExxonMobil Canada Limited (EMCL)	<b>Stena Drillmax</b>	Actual: Near Miss Potential: Major Injury	A crew needed to move a tong to access cables by slewing the Tong Push Arm (TPA). After releasing the TPA lever, the tong continued to move and contacted a worker on a ladder, which resulted in swelling around their wrist. The worker saw the medic for assessment and treatment.



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2024-06-19	EMCL	<b>Stena Drillmax</b>	Actual: Impairment/Damage to Critical Equipment	The forward machinery space bilge high level alarm was activated. The area was checked and a leak from the forward firewater pump was observed. The pump was stopped. A seal was replaced and the pump was returned to service.
2024-06-22	EMCP	<b>Hebron Platform</b>	Actual: Near Miss Potential: Fatality	Following maintenance on a portable heater, a worker received an electric shock to their hand (the worker was wearing the required personal protection equipment). The platform nurse noted no injury and no treatment was required. Inspection of the temporary power cord noted continuity issues and revealed the ground cable had become disconnected from the plug. The power cord was connected to a 600V service.
2024-06-22	EMCP	<b>Hebron Platform</b>	Actual: Lost/Restricted Workday Injury & Medevac Potential: Major Injury	A worker on a step ladder fell approximately 0.9 m to the deck. The nurse noted swelling and pain in the left ankle. The worker was sent onshore for further diagnosis.
2024-06-25	Suncor Energy	<b>Terra Nova FPSO</b>	Actual: Impairment/Damage to Critical Equipment	A communication link failure occurred between the turret and a distributed control system control panel. Upon investigation, it was noted that the local equipment room temperature was elevated (it was determined that the Heating, Ventilation and Air Conditioning (HVAC) system had been offline for approximately 24 hours). Following restart of the HVAC system, the communication cards were removed and re-seated, which reset the link, restoring communications.



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2024-06-28	EMCL	<b>Stena Drillmax</b>	Actual: Near Miss	Two workers received static shock from an air hose. No adverse effects were experienced and medical attention was not required. The investigation determined that the air hose arrangement was not optimal, potentially allowing for increased movement and friction, and combined with weather conditions, allowed static electricity to build up.
2024-06-29	Suncor Energy	<b>Terra Nova FPSO</b>	Actual: Implementation of Emergency Response Plans	A GPA was activated due to heat detection in the dry stores room. A full muster was achieved. An investigation determined the heat detector was faulty and it was replaced.
2024-06-29	Suncor Energy	<b>Terra Nova FPSO</b>	Actual: Implementation of Emergency Response Plans	A GPA was activated due to high gas detection near a water injection pump. No other detectors in the area were reading gas. There were other detectors in fault in the same zone that were inhibited. As a result, the single gas detector fault resulted in the GPA and ESD. A full muster was achieved. The area was investigated by the fire team and no anomalies were found.