




DNO North Sea (ROGB) Limited 2020 OSPAR Public Statement

SCKE-FPROGB-S-RA-0050 DNO North Sea (ROGB) Limited 2020 OSPAR Public
Statement

Revision date: 31 May 2021 Rev. 01

Schooner & Ketch Decommissioning Project

	Date	Name	Position	Signature
Prepared by:	28/05/2021	Amy Jackson	HSE Advisor	<i>Amy Jackson</i>
Verified by:	28/05/2021	Claire Orr	Senior HSE Advisor	<i>Claire Orr</i>
Approved by:	28/05/2021	Marit Brattbakk	HSE Manager NS BU	<i>Marit Brattbakk</i>
Responsible Party:	 <p>DNO North Sea (ROGB) Limited 24 Carden Place, Aberdeen, AB10 1UQ</p>			
Open				
Revision history				
Revision	Date	Reason for issue:		
01	28/05/2021	Issued for publication		
Registration Codes				
Contract No:	External Doc No:	Tag(s):	System(s):	Facility / Area:
Project Code	Originator Code	Discipline Code	Document Code	Sequence No
SCKE	FPROGB	S	RA	0050

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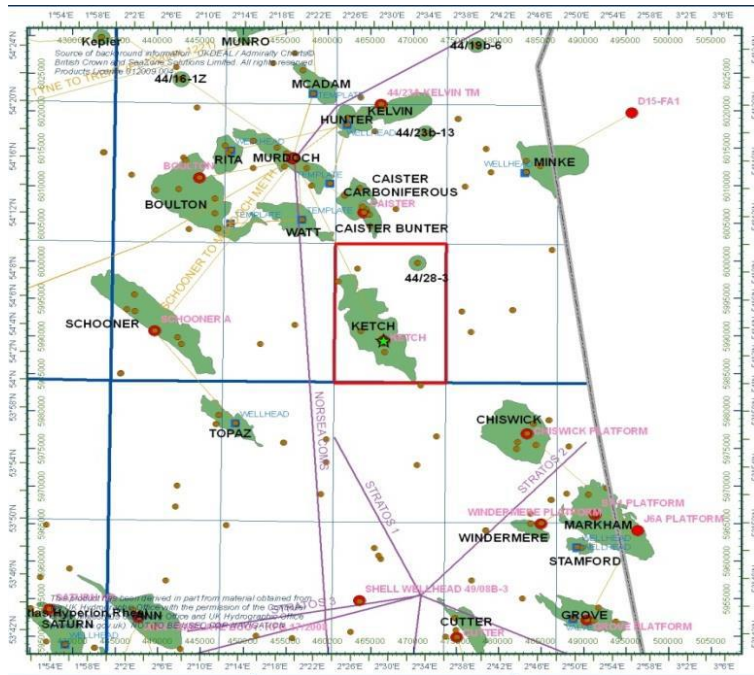
1 Introduction

Under the OSPAR Recommendation 2003/5, the Offshore Petroleum Regulator for Environment & Decommissioning (OPRED) requires that all existing United Kingdom Continental Shelf (UKCS) oil and gas operators undertaking offshore operations prepare an annual statement of their Environmental performance, covering the calendar year, and make that statement available to the public. This document represents DNO North Sea (ROGB) Limited's annual public Environmental statement for 2020 in relation to UKCS OSPAR reporting.

2 DNOs UKC Operations

DNO is an independent oil and gas group focused on exploration, appraisal and production in Norway, the Atlantic Margin and the UKCS. In January 2019, DNO successfully acquired Faroe Petroleum (ROGB) Limited (Faroe). During 2019, Faroe (and DNO from June 2019 onwards) operated the two producing assets (Schooner and Ketch), located within the UK Southern North Sea gas basin. The Schooner and Ketch fields are located within Block 44/26a, and Blocks 44/28b respectively, approximately 150 kilometres from the Theddlethorpe Gas Terminal (TGT) on the Lincolnshire coast (Figure 2-1). Schooner and Ketch Fields ceased production in 2018 in line with TGT's cessation of operations and were subsequently granted formal Cessation of Production (COP) in November of the same year. DNO are licence holder for the Schooner and Ketch installations and Petrofac have been appointed as Installation Operator since October 2014. The Environmental performance of these assets will be reported in the Petrofac Public Statement for 2020. DNO is the Well Operator for Schooner and Ketch, as well as Pipeline Operator.

Figure 2-1. Location of the Schooner and Ketch Fields.



Both the Schooner and Ketch platforms (Figure 2-2) are four-legged, twelve-slot Normally Unmanned Installations (NUI). The platform wells were remotely controlled from the Murdoch Field platform, through which the gas was exported, where separation and compression occurred before the gas was transported via the ConocoPhillips-operated Caister Murdoch System (CMS) Infrastructure to the TGT for processing.

Figure 2-2. Schooner and Ketch NUIs.



In association with CoP, DNO have submitted Decommissioning Programmes (and the supporting Environmental Appraisal and Comparative Assessment reports) for Schooner and Ketch and received final approval from OPRED in July 2019. The pipelines from the Schooner NUI (16" wet gas export pipeline (PL1222) and 3" piggy-back methanol pipeline (PL1223)) and the Ketch NUI (18" wet gas export pipeline (PL1612) and 3" piggy-back methanol pipeline (PL1613)) to the Murdoch Field have been successfully cleaned, flushed, flooded with seawater and remain in situ until they are disconnected at a later stage of the decommissioning programme. Disused Pipeline Notifications for the Schooner and Ketch pipelines have been submitted accordingly. The 15.2 km 6" gas export pipeline from Topaz (operated by Ineos) to Schooner has also been cleaned, flushed and flooded with seawater. The scope of the Schooner and Ketch decommissioning project is:

- The plug and abandonment (P&A) of 20 platform wells (9 at Ketch and 11 at Schooner) and one sub-sea well at North West Schooner;
- The burial of the Schooner pipeline and partial removal and burial of the Ketch pipeline; and
- The removal of topsides and jackets from both the Schooner and Ketch platforms.

All items removed shall be safely transported to suitable, permitted and licensed onshore facilities for recycling and disposal. Upon completion of the decommissioning scope, any debris shall be removed, and surveys conducted to monitor any infrastructure that has been left in-situ.

For 2020 operations, P&A operations at Ketch took place during January to April, when the decision was taken to temporarily suspend offshore activities for the remainder of 2020, due to the onset of the COVID-19 global pandemic.

3 DNOs Health, Safety, Security and Environmental (HSSE) Policy

DNOs is committed to managing the integrity of its operations and business activities responsibly. Our HSSE Policy (Figure 3-1) is a public commitment to this which supports our core values and focuses DNOs Management Systems on robust risk management and incident prevention.

Figure 3-1. DNO's HSSE Policy.

Health, Safety, Security and Environmental (HSSE) Policy Statement

DNO is committed to managing the integrity of its operations and business activities responsibly. Consideration of the health, safety and security of our personnel, our other stakeholders, and the environment is central to how we conduct our business.

We strive to create a rewarding working environment for our employees, contractors, and the communities in which we operate. We are committed to the HSSE goals of:

- Avoiding harm to all personnel involved in, or affected by, our operations.
- Preventing pollution and minimizing the impact of our operations on the environment.
- Complying with the applicable legal and regulatory requirements where we operate as well as relevant industry standards.
- Achieving continuous improvement in our HSSE performance.

This Policy Statement shall be implemented through the Company's business management system, "the DNO WAY", to ensure:

- A work environment characterized by respect, trust, cooperation, and a shared understanding of DNO's values where concerns can be freely raised.
- HSSE is integral to the roles and responsibilities of everybody who works for and with DNO.
- HSSE risks are identified, understood, assessed and controlled.
- Delivery of continuous improvement by setting clear HSSE goals at a business and individual level; achieving these goals through rigorous planning and execution of work and a trained and competent workforce; then learning from our successes and failures.
- Engagement with our suppliers and contractors to align them with our values and goals.

Our commitment to health and wellbeing:

- Prevention of work-related illness.
- Active health promotion to reduce health risks associated with the work environment.
- Allowing freedom of association and expression.
- Maintain a diverse workforce free from discrimination.

Our commitment to safety:

- Provision of a safe place to work, free from injury and accidents.
- Maintenance of asset integrity through design and engineering, and through sound maintenance, inspection, operations, and management of change procedures.
- Ensure an open reporting culture for incidents and near misses from which we learn to avoid recurrent incidents.

Our commitment to the environment:

- Minimize undesirable effects on the environment resulting from our activities.
- Promote the reduction of emissions and pollution from our operations.
- Contribute to the sustainable development of the regions where we operate.

Our commitment to security:

- Provide a secure work environment for all personnel involved in our activities.
- Abide by the Voluntary Principles on Security and Human Rights.

The responsibility for compliance with this policy lies with everybody who works for and with DNO. It is the role of the Managing Director of DNO ASA to ensure compliance with this Policy and the DNO Way through line management combined with regular reviews and audits.

Bjørn Dale
Managing Director DNO ASA

February 2020

4 DNOs Management System

DNO implements an integrated Health, Safety and Environment Management System (MS). The MS is an integral part of the overall management system and is laid down in policies, procedures, standards and work instructions. Its general purpose is to prevent DNO activities from putting people, the environment, property or the reputation of the company at risk and aims to:

- Achieve full compliance with the OSPAR Recommendation 2003/5 to promote the use and implementation of Environmental Management Systems by the offshore industry;
- Achieve the general objectives of the OSPAR offshore strategy;
- Achieve the Environmental goals of the prevention and elimination of pollution from offshore sources and of the protection and conservation of the maritime area against other adverse effects of offshore activities; and
- Maintain continual improvement in environmental performance.

The environmental elements of the MS:

- Have been implemented at a strategic level and integrated into corporate plans and policies;
- Identify the organisation's impacts on the environment and set clear objectives and targets to improve its management of these aspects and the organisation's overall environmental performance;
- Ensure preventative actions are incorporated to avoid negative impact to the environment;
- Are designed to deliver and manage compliance with Environmental regulations on an ongoing basis, and to quickly initiate corrective action where potential cases of legal non-compliance are identified;
- Identify DNO's significant resource use and aim to deliver good resource management; and
- Incorporate assured requirements and performance metrics that demonstrate the above and can be communicated in a transparent manner.

5 2020 Environmental Performance

5.1 2020 UKCS Offshore Operations

DNO aims to minimise its environmental impact from operational and business activities undertaken annually. Offshore operations that were conducted by DNO as Wells and Pipelines operator in the UKCS in 2020, are outlined in Section 5.2.

5.2 2020 Summary of Operations and Reportable Incidents

Table 5-1. provides a summary of the Schooner and Ketch operations undertaken during January to April 2020. No Operations took place between May and December 2020 due to the project being suspended as a result of the COVID-19 global pandemic.

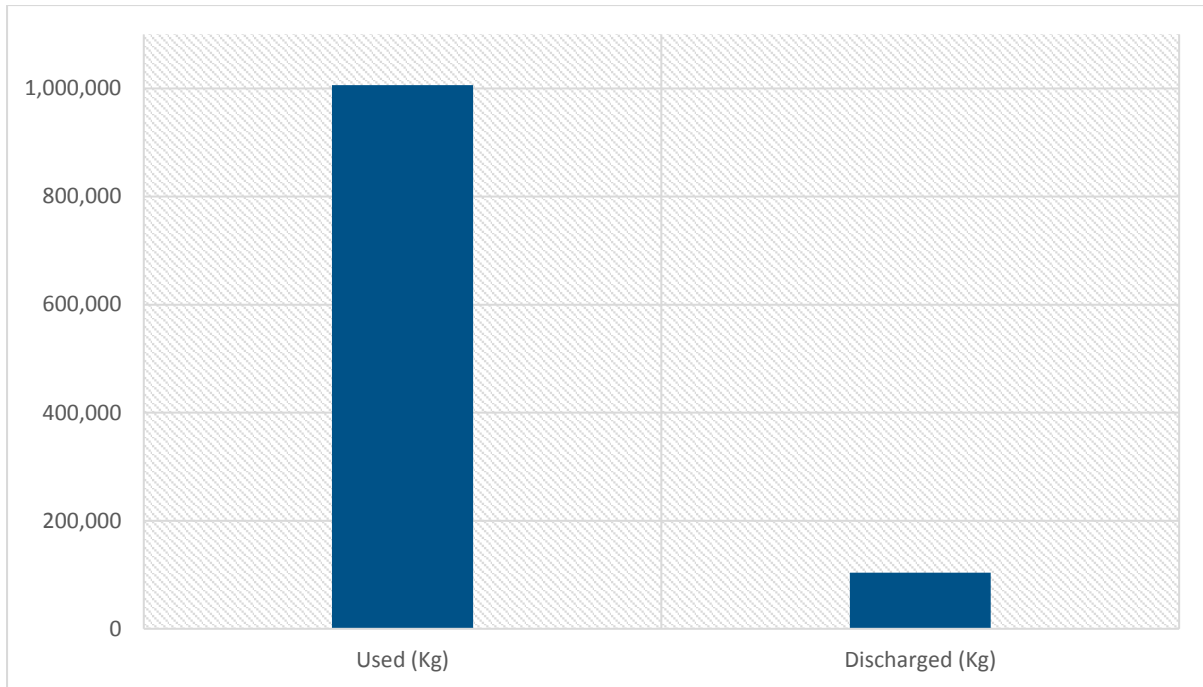
Please note that reportable emissions relating to the Schooner and Ketch NUIs for 2020 are presented in the Petrofac Public Statement for 2020 as Installation Operator (Duty Holder).

Table 5-1. DNO's 2020 UKCS Operations.

Drilling & Well Related Activities	Unit	Schooner Platform	Ketch Platform
Wells Drilled	No. of Wells	0	0
Well Operations (includes P&A)	No. of Operations	0	3 P&A'd (partial)
Pipeline Related Activities			
Pipeline Operations	No. of Operations	0	0

5.3 2020 Chemical Use and Discharge

During 2020, a total of 1,006,224 kg of chemicals were used throughout P&A operations. A total of 103,717 kg of chemicals were discharged to sea (Figure 5-1). All chemicals used and discharged during operations were in accordance with the Offshore Chemical Regulations (OCR) and were fully permitted. There were no instances of chemical permit non-compliance in 2020.

Figure 5-1. 2020 Chemical Use and Discharge Summary.

5.4 2020 Waste

Throughout the 2020 P&A Operations, a total of 760.52 tonnes of waste was generated. Of this 640.82 tonnes (84.26 %) was reused, 83.35 tonnes (10.96%) was recycled, 19.11 tonnes (2.51%) went for waste to energy, 16.38 tonnes (2.15%) was treated and 0.85 tonnes (0.11 %) was incinerated. No waste went to landfill. Please see Figure 5-2 for an annual summary of 2020 waste and Figure 5-3 for a monthly breakdown of the waste.

Figure 5-2. 2020 Waste Treatments - Annual Breakdown.

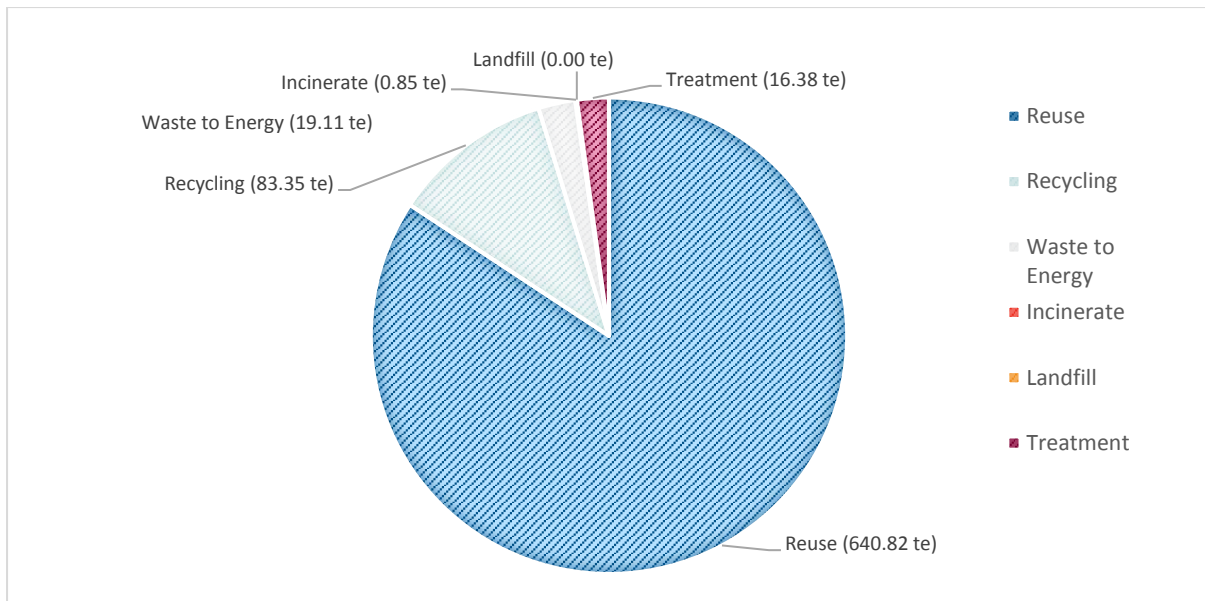
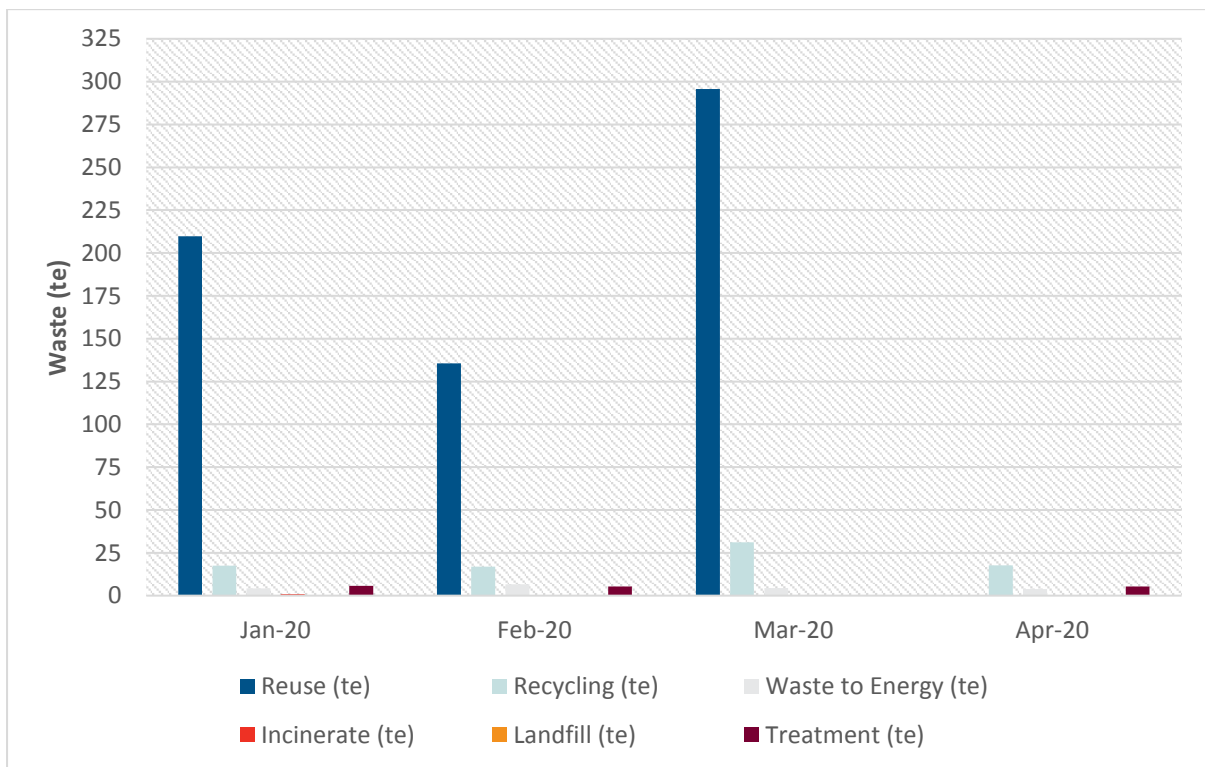


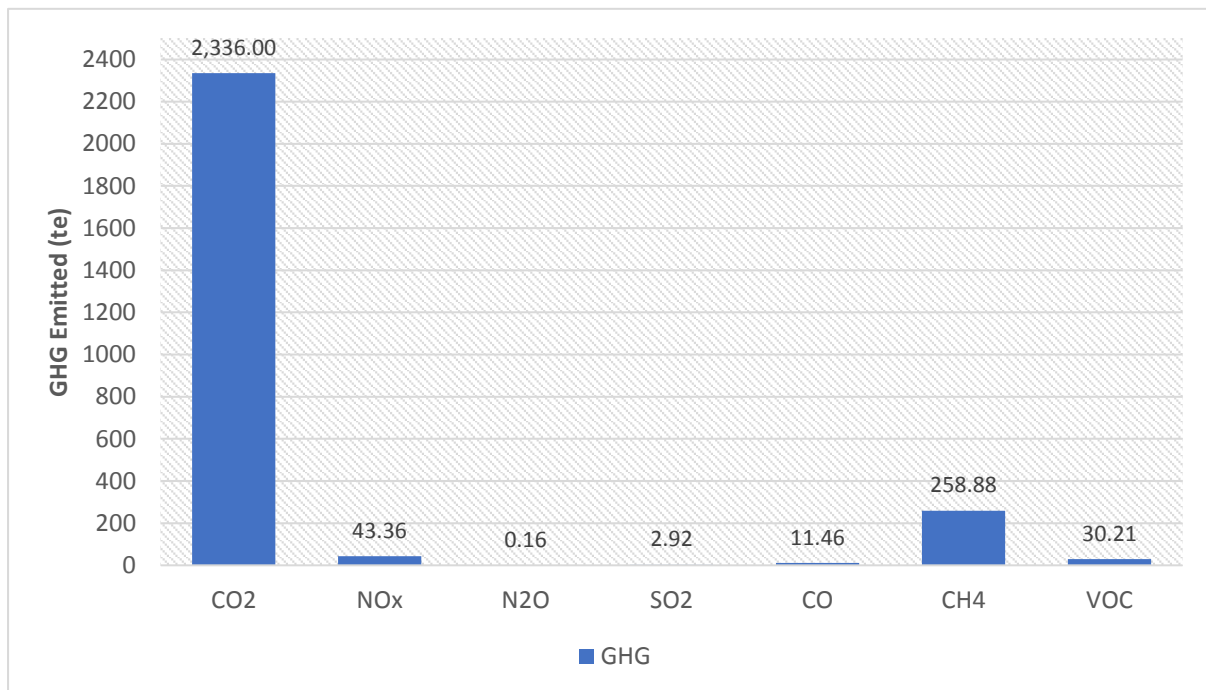
Figure 5-3. 2020 Waste Treatments - Monthly Breakdown.



5.5 2020 Atmospherics

Rig diesel usage during the P&A operations totalled 730 tonnes, equating to approximately 2,336 tonnes of CO₂ (Figure 5-4). Furthermore, approximately 287.50 tonnes of natural gas was vented unignited to the atmosphere during P&A operations. This is included within the CH₄ and VOC emissions illustrated in Figure 5-4.

Figure 5-4. 2020 GHG Emissions.



5.6 2020 Unplanned Releases

Unplanned releases to sea can have a negative impact on the marine environment, DNO work to minimise this risk with a focus on prevention. DNO ensure Regulatory approved Oil Pollution Emergency Plans (OPEPs) are put in place for all relevant Operations. During 2020 there were zero unplanned chemical releases and one unplanned oil release (Table 5-2). The oil release was due to a minor leak resulting from a threaded hose connection during diesel bunkering operations and was reported to the regulator via a PON1 submission.

Table 5-2. 2020 Unplanned Releases.

Operation	Oil		Chemical	
	Total Number of Notifications	Total Quantity (tonnes)	Total Number of Notifications	Total Quantity (kg)
P&A	1	0.0001	0	0

5.7 2020 Other Reportables

During 2020 there was one PON10, one PON2 and one ROGI submitted to the regulators.

- The PON10 was a result of a faulty bow leg navigation light on the rig which was undertaking the P&A operations. The PON10 was satisfactorily closed out following replacement of the faulty light.
- The PON2 was submitted following the loss of a hose flotation device due to a connection failure. Despite the standby vessel conducting a search in the vicinity, the flotation device was not recovered.
- The ROGI submission was due to the failure of a deep-well pump in the bow leg of the rig. The faulty pump was subsequently replaced.

6 2020 Key Performance Indicators (KPIs)

DNO have set Corporate HSE KPIs for the business to meet during 2020. These are presented in Table 6-1, as well as KPIs specific to the Schooner and Ketch Decommissioning project as presented in

Table 6-2.

Table 6-1. DNO's North Sea Business Unit HSEQ NS KPIs for 2020.

Defined KPI	Status
Zero fatalities or permanent disabilities.	100%
Zero high potential incidents (HIPOS) from operated activities.	100%
No unplanned significant reportable discharges from operated activities.	100%

Table 6-2. Schooner and Ketch Decommissioning Project HSE KPIs for 2020.

Defined KPI	Status
90% compliance with 2020 ARV Plan for Schooner & Ketch Decommissioning Project.	64% achieved
90% compliance with 2019 Schooner & Ketch decommissioning Project PLANC.	Achieved
Emergency response exercises and drills (including those with major contractors) are completed as planned.	Not Achieved
90% on-time close-out of non-conformances arising from audits and incident investigations.	Achieved
No fatalities, LTIs, MTCs, RWDCs.	Achieved
No reportable spills.	1 x PON1
No reportable HIPOs.	Achieved
No regulatory non-compliance.	1 x PON10

It is noted that the COVID-19 pandemic had negative implications with regard to conducting audits and emergency response exercises.