



EMS Annual Performance Report

North Sea Operations

2024

Apache

Apache in North Sea



Global Team

Our global team is brought together by a sense of ownership and the knowledge that the best answers win.



Our Purpose

To meet growing demand for energy and to do so in a cleaner, more sustainable way.

Our Vision

To contribute to human progress by responsibly helping meet the world's oil and gas needs.



Our Portfolio

Apache Corporation's subsidiaries have operations in the U.S., Egypt, U.K. North Sea and offshore Suriname.



EH&S Policy Statement

Apache North Sea Environmental, Health and Safety Policy



Apache is committed to operating responsibly by maintaining high environmental standards and preserving the health, safety and well-being of our employees, contractors, and communities in which we operate. Apache will apply all that is reasonably practicable to manage risks throughout our asset's lifecycle.

To meet our commitments, Apache pledges to:

- Comply with applicable regulations and company operating standards and policies
- Recognise that no business objective is so important that it will be pursued at the expense of the environment or compromise health, safety or security considerations
- Design and manage our operations to actively prevent environment, health and safety impacts, effectively identifying hazards, threats and vulnerabilities to manage risks
- Ensure availability of appropriate information and necessary resources to achieve the health, safety, and environmental objectives and targets
- Guarantee all changes are implemented effectively using a defined process and performance is regularly monitored
- Manage risks through appropriate contingency planning, emergency preparedness, response and recovery practices
- Report, investigate and learn from weak signals, events and near misses
- Seek opportunities for improvement by managing and reporting our performances, inspecting worksites and auditing management system processes
- Promote a positive safety culture through strong leadership and commitment at all levels within the organisation
- Empower all employees or persons working with us to challenge any activity or condition and to stop the job where, in their opinion it may cause a harmful effect to their own health, safety or security, or to the environment
- Encourage open and honest communications

Through execution of this policy, Apache affirms its commitment to conduct business in a manner that protects both people and the environment. We all have a personal responsibility to conform to our policies, standards, and values.

We trust you will lead by example.



Vice President, International Assets
Apache North Sea

March 2025 (3-yearly review)

Taking our environmental responsibility seriously

We continue to advance our environmental performance in focus areas such as atmospheric emissions, produced water management and chemical utilisation, this includes:

- A reduction in plant upsets through improved plant stability driven by operational excellence programs
- Development of the GHG Emissions Action Reduction Plans (ERAPs)

Apache is committed to conducting our business in a manner that protects the health, safety, security and wellbeing of our employees, contractors and the general public while maintaining the quality of the environment in which we operate.



Beryl Asset

01

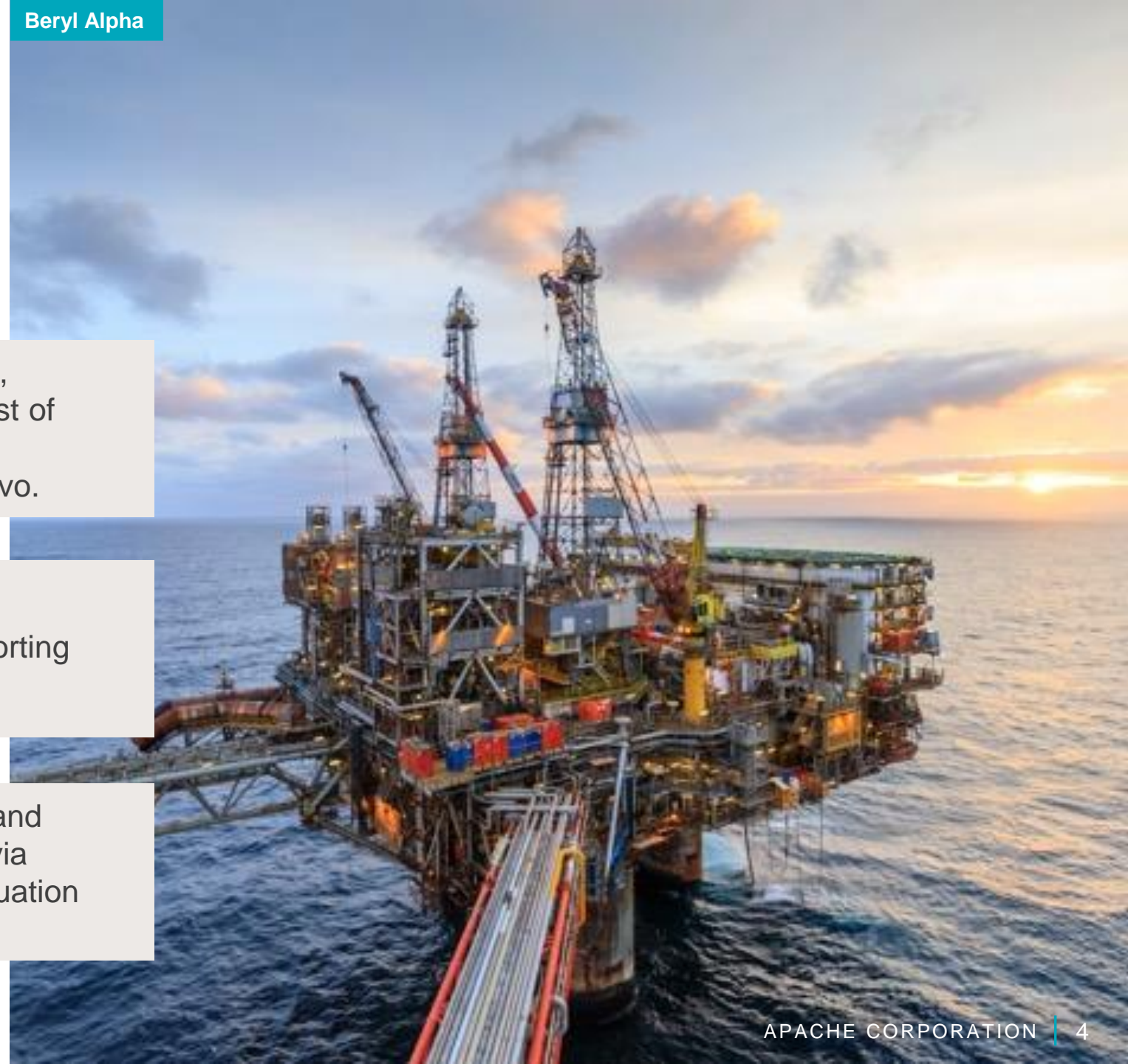
The Beryl Field is located in Block 9/13, approximately 190 miles north-northeast of Aberdeen and consists of two fixed installations, Beryl Alpha and Beryl Bravo.

02

Beryl Alpha and Beryl Bravo both have drilling, production processing and exporting facilities.

03

Oil production is stored in Beryl Alpha and then export to tanker; gas is exported via pipeline to the Scottish Area Gas Evacuation (SAGE) gas plant at St Fergus.



Forties Asset

01

The Forties Field is located in Blocks 21/10 and 22/6a approximately 103 miles north-east of Aberdeen and consists of five fixed steel jacket installations.

02

Forties Alpha, Charlie and Delta installations have drilling, processing and oil exporting facilities. Forties Charlie is field hub exporting oil via the Forties Pipeline System.

03

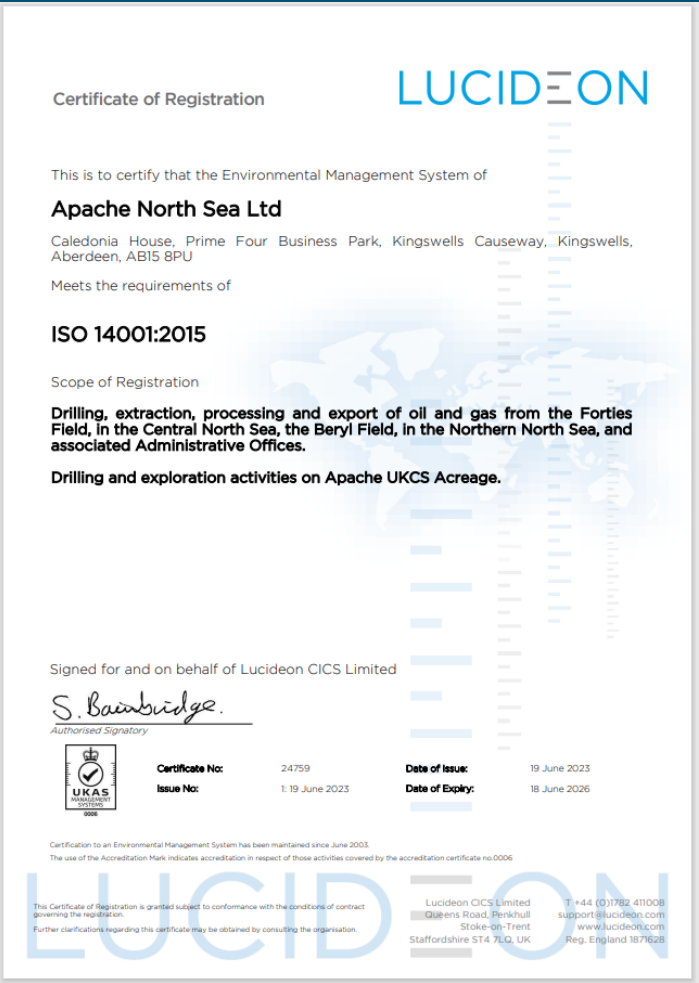
Forties Bravo and Forties Echo have no drilling facilities and import all power. Bravo has limited processing facilities while Echo exports all production fluid to Alpha for processing.

04

Bacchus and Aviat are subsea wells tied back to Alpha.



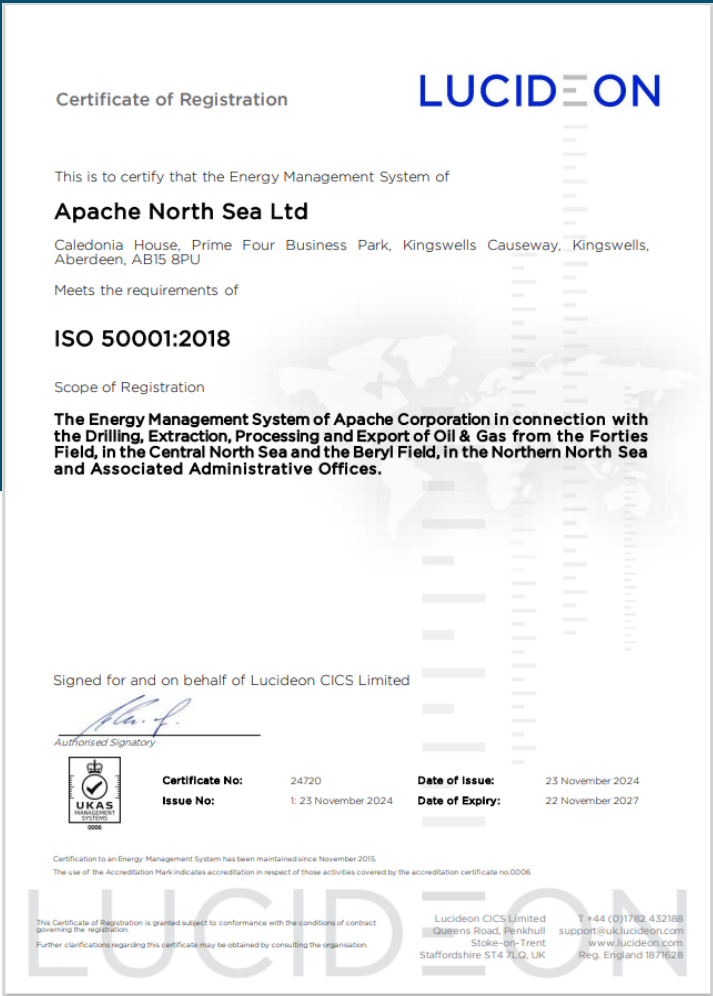
Management System



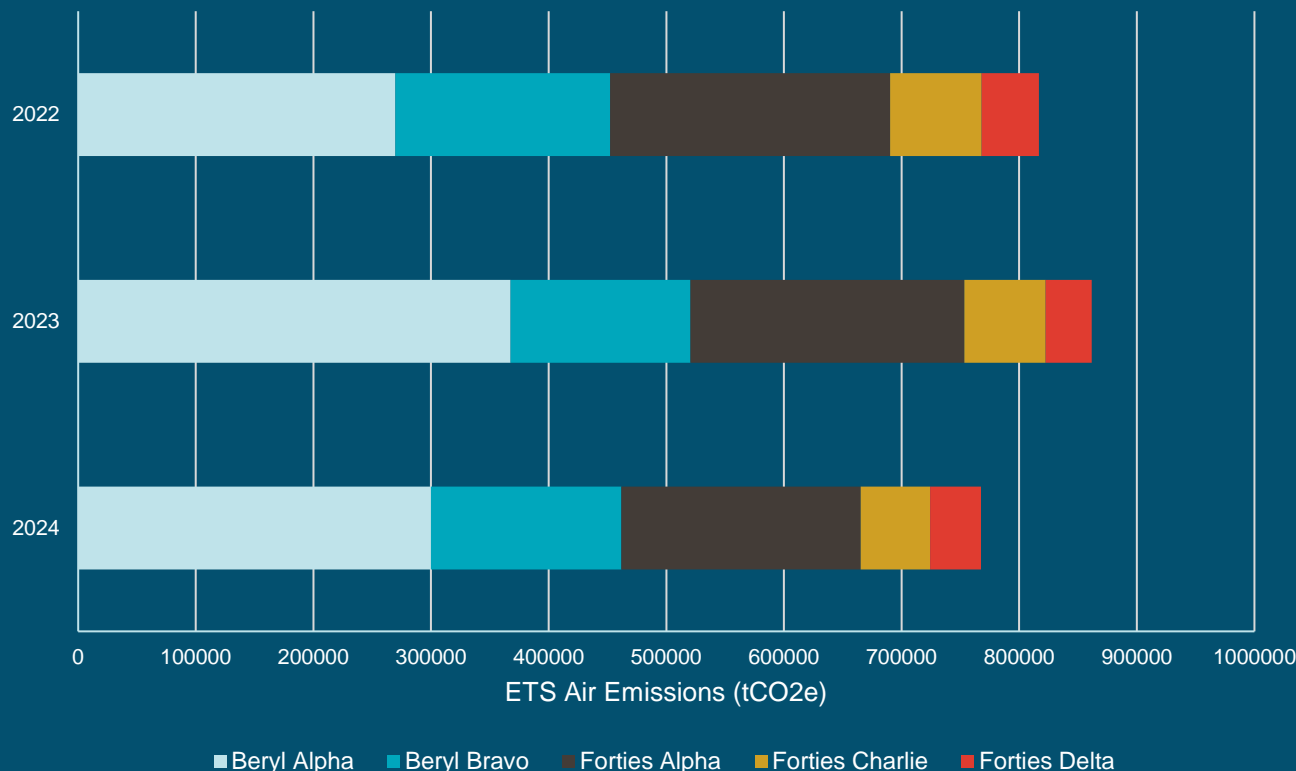
Apache's **integrated Environmental and Energy Management Systems (EMS)** are certified to the International Standards **ISO 14001:2015** and **ISO 50001:2018**. Our external verification body carries out regular site visits to verify compliance with the standards and ensures we continue to meet the objectives of the EMS.

The EMS is designed to drive continuous improvement across our UK operations by focusing on our environmental performance and regulatory compliance.

The re-certification of the ISO 14001 was completed in June 2023 and the ISO 50001 re-certification was completed in November 2024.



Air Emissions



The effect of different greenhouse gases (GHGs) are measured against carbon dioxide equivalent (CO₂e) which is the most commonly emitted GHG.

Under normal operating conditions, atmospheric emissions are a result of the following:

- Flaring, which is an integral part of platform safety
- Gas compression
- Turbine driven generators used to supply power
- Volatile organic compounds emitted during oil loading
- Fugitive emissions, for example from valve seals

01

The majority of GHG emissions (82%) were generated from fuel gas consumption to provide electrical power and gas compression.

02

Emissions from the combustion of diesel (4.5%) are generated due to its required use when fuel gas is unavailable.

Resources Management

Flaring

- Low Pressure (LP) gas compression on Beryl A, was returned to service reducing the flaring rates in 2024.
- Dynamic purge system was installed on Beryl A to significantly reduce flaring by ~5,500t(CO2e).

Combustion

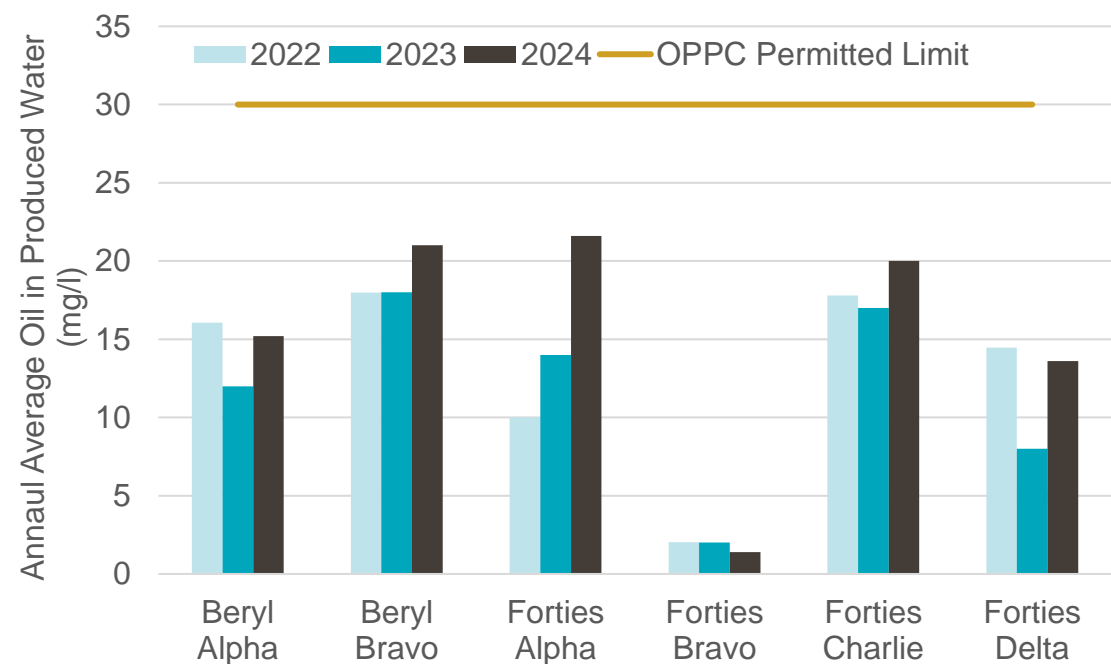
Apache continues to focus on operational excellence and surveillance to drive down combustion emissions through responsible equipment operation.

The design intent of the LP Compressor on Beryl B is too large for today’s production rates. Through optimisation of the plant the LP compressor was turned off which reduces the annual combustion emissions by 5,320 t(CO2e).

2024	Flaring (in tonnes)	Fuel Gas Usage (in tonnes)	Diesel Usage (in tonnes)
Beryl Alpha	13,347	96,396	3,944
Beryl Bravo	5,436	53,059	2,270
Forties Alpha	7,294	64,459	2,813
Forties Charlie	5,355	12,604	3,215
Forties Delta	7,625	7,682	674

2023	Flaring (in tonnes)	Fuel Gas Usage (in tonnes)	Diesel Usage (in tonnes)
Beryl Alpha	36,672	105,278	763
Beryl Bravo	5,829	44,150	6,610
Forties Alpha	11,228	74,869	259
Forties Charlie	9,187	15,647	716
Forties Delta	7,538	5,726	1,246

Produced Water Discharges



Amount of Oil Discharged (in tonnes)	2022	2023	2024
Beryl Alpha	32.6	27.6	26.4
Beryl Bravo	24.1	6.3	19.9
Forties Alpha	32.9	40.7	34.6
Forties Bravo	6	9.4	3.9
Forties Charlie	24.9	14.8	14.9
Forties Delta	43.5	23.9	47

- 01
- 02
- Beryl B plant brought back online following the reinstatement of the Beryl A LP compressor.
 - Forties D Deep Gas Lift (DGL) wells brought back online following outage 2023.

All discharging offshore assets operate below the legislative 30 mg/l limit under the Oil Pollution Prevention Control (OPPC) Regs for oil in produced water concentrations.



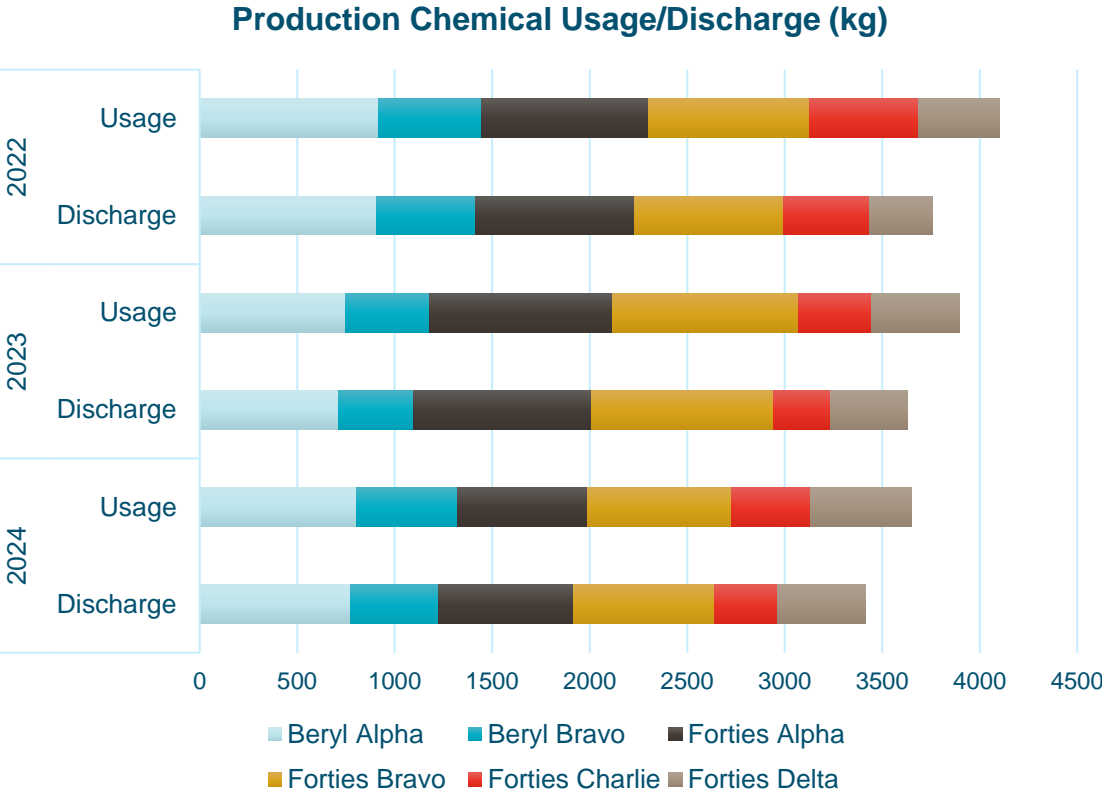
Releases

All spill to sea events were reported to the Offshore Petroleum Regulator for Environment and Decommissioning (OPRED) in line with regulatory requirements. In 2024, Apache reported a total of 15 oil and chemical releases to sea.

Of these, a 36.7 tonne release was due to a subsea control module (SCM) failure releasing hydraulic fluid at Beryl A. The SCM was changed out and release stopped. A second 2 tonne subsea release occurred from a hydraulic power unit (HPU); this release was isolated.

	2023	2024
Number of Releases	5	15
Mass of oil released (in tonnes)	2.49	3.54
Mass of chemical released (in tonnes)	0.132	40.73

Chemical Discharges



01

Reduction of Chemicals with Substitution Label

Apache is committed to a programme of removal / reduction of all chemicals carrying a substitution warning, unless their use is required on technical and/or safety grounds.

02

Offshore Chemical Notification Scheme

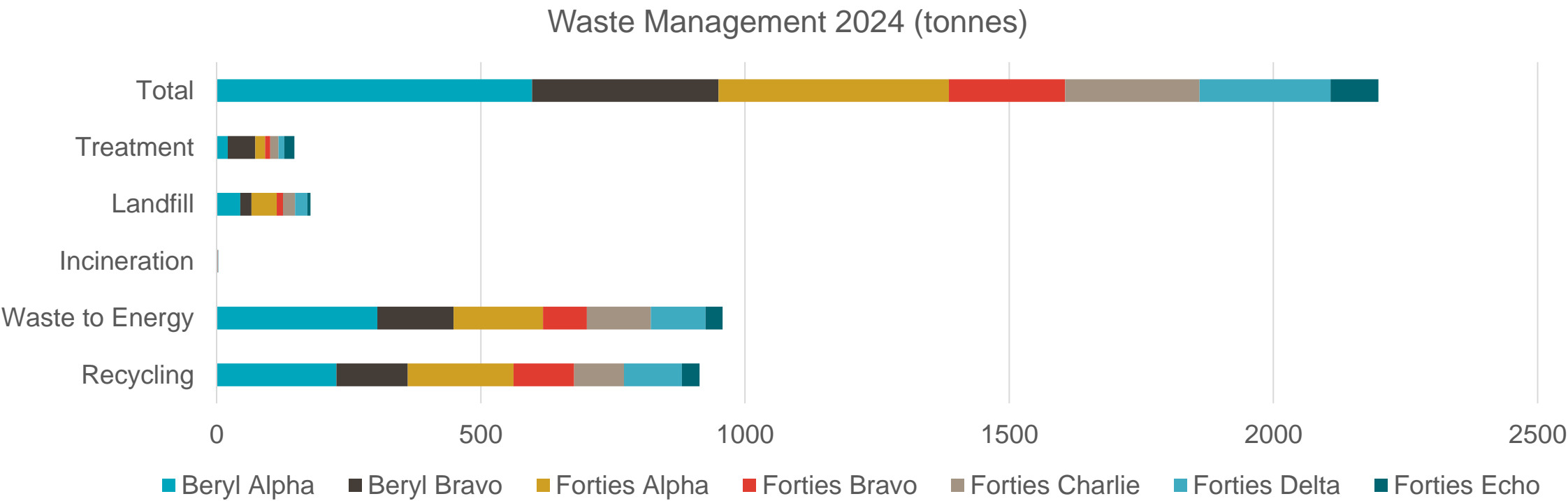
The vast majority of chemicals used and discharged during Apache operations, fall within Offshore Chemical Notification Scheme (OCNS) categories “Gold” and “E”, which are least hazardous to the environment.

03

Continuous Improvement

There was a decrease of 6% in the usage of production chemicals in 2024 versus 2023.

Waste Management



Waste Hierarchy

Waste levels from the assets are directly related to the amount of activity on-site, and the waste produced, ranges from controlled or non-hazardous waste, to hazardous or 'special' waste.



Non-Landfill Destination

An average of 92% of wastes was sent to a non-landfill destination (i.e. reuse, recycling, waste to energy or incineration) in 2024.

Environmental & Sustainability Plan

The annual **Environmental and Sustainability Management Plan** contains pragmatic and ambitious ESG Goals for **emission reduction**. Environmental performance is constantly monitored, as Apache strive towards achieving **continual improvement**.

E



Air

Implementation of the GHG Emissions Reduction Action Plans
Development of Corporate Methane Action Plans

S



**Communities
+People**

Our primary product is energy, and we believe that where there is affordable, abundant energy, people are healthier, have access to better education, and are given greater opportunities to elevate their families to higher standards of living.

G



Governance

Alignment with the United Nations Environment Programme (UNEP) - Oil and Gas Methane Partnership 2.0 (OGMP 2.0) methane reporting framework.

Communities and People



North Sea Bond Fund

Apache North Sea's bond fund has made donations throughout the year to MND Scotland and Maggie's Aberdeen cancer support center. Apache celebrated a significant achievement in their long-standing partnership with Maggie's, where a cumulative contribution of £1 million was reached, becoming the charity's largest individual benefactor.



Tree Grant Program

The Apache Corporation Tree Grant Programme donated more than 35,000 trees to 11 non-profit partners and government agencies in Scotland. Apache employees planted 2,500 trees at Camphill school to protect the banks of the River Dee from soil erosion and flooding in 2024.

EGCP

Apache North Sea have sponsored The East Grampian Coastal Partnership (EGCP) throughout 2024. Funds were put towards several community and school beach clean ups and contributed to educating students about littering and the impact it can have on our shores and local wildlife.



Peterhead Beach Clean-up

Apache North Sea Environmental team undertook a beach clean in Peterhead arranged by Oil Spill Response Limited (OSRL) following a shoreline response demonstration.



Apache

apacorp.com