



Commitment to achieving Net Zero

Supplier Name - Seqirus UK Ltd

Publication Date – 15 August 2025

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2019	
Additional Details relating to the Baseline Emissions calculations.	
We have formalised our approach to meet the requirements of PPN-06/21 and can report against these requirements from 2019.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	4,145.58 tCO₂e
Scope 2	4,892.52 tCO₂e
Scope 3 (Included Sources)	3,920.72 tCO₂e
Total Emissions	12,958.82 tCO₂e



Emissions Reporting

Reporting Year: 2020	
Additional Details relating to the Baseline Emissions calculations.	
We have formalised our approach to meet the requirements of PPN-06/21 and can report against these requirements from 2019.	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	4,438.85 tCO ₂ e
Scope 2	3,239.62 tCO ₂ e
Scope 3 (Included Sources)	2,471.38 tCO ₂ e
Total Emissions	10,149.86 tCO ₂ e

Reporting Year: 2021	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	4,807.84 tCO ₂ e
Scope 2	49.21 tCO ₂ e
Scope 3 (Included Sources)	2,052.85 tCO ₂ e
Total Emissions	6,909.91 tCO ₂ e



Reporting Year: 2022	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	4,117.78 tCO ₂ e
Scope 2	49.21 tCO ₂ e
Scope 3 (Included Sources)	2,026.89 tCO ₂ e
Total Emissions	6,193.88 tCO ₂ e

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	4,215.60 tCO ₂ e
Scope 2	53.39 tCO ₂ e
Scope 3 (Included Sources)	2,155.75 tCO ₂ e
Total Emissions	6,424.74 tCO ₂ e



Reporting Year: 2024	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	3,767.53 tCO ₂ e
Scope 2	0 tCO ₂ e
Scope 3 (Included Sources)	1,865.67 tCO ₂ e
Total Emissions	5,633.20 tCO ₂ e

Emissions reduction targets

Seqirus UK Ltd is committed to achieving Net Zero emissions by 2050.

In the UK it operates as Seqirus UK Ltd, a commercial head office entity, supported by Seqirus Vaccines Ltd, as its sub-contracted production site. The combined entities are hereinafter referred to as ‘Seqirus’. This plan largely relies on reduction of emissions from Seqirus’ manufacturing site in Liverpool “Seqirus Vaccines Ltd” given its relative contribution to the combined emissions for the two entities.

Progress against Net Zero commitment will be tracked annually, and the graph below will be updated.

Total emissions for Seqirus UK Ltd from 2019 to the reporting year 2024 against the 2050 net zero target are illustrated below. Current reported emissions from Seqirus UK Ltd have decreased as strategic initiatives across the entity are deployed. Over the period 2019 to 2024 total emissions have reduced by 7,325.62 tCO₂e, a 57% reduction. The increase in emissions shown between 2022 and 2023 was driven by an increase in production across our primary and secondary operations.

The decrease in emissions between 2023 and 2024 was driven by increased renewable energy consumption across the sites, resulting in 0 tCO₂e for Scope 2 emissions.

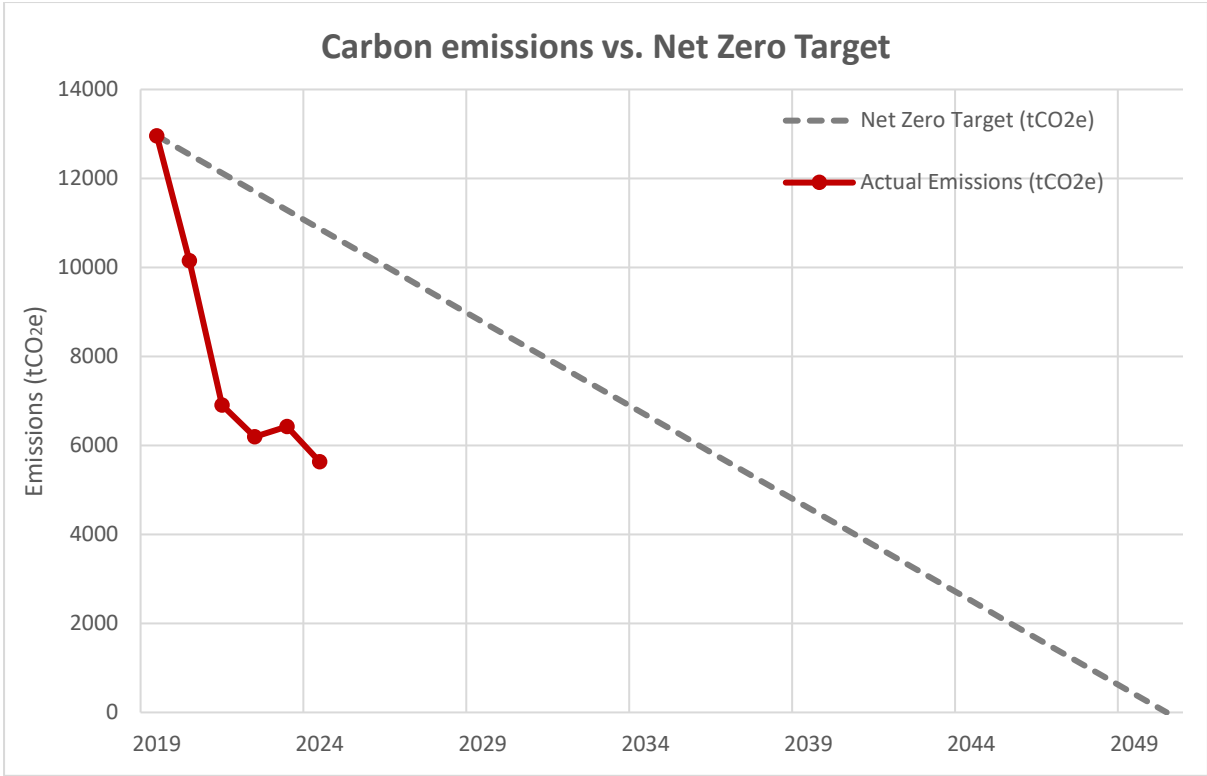


Figure: Carbon Emissions (tCO2e) from 2019 to 2024

Summary of Emissions:

Year	Emissions (tCO2e)
2019	12,958.82
2020	10,149.86
2021	6,909.91
2022	6,193.88
2023	6,427.74
2024	5,633.20

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Since establishing our 2019 baseline, Seqirus UK Ltd has successfully implemented a range of environmental management measures and carbon reduction projects. These initiatives reflect our ongoing commitment to sustainability and operational efficiency.



Renewable Electricity Procurement

We have committed to sourcing electricity exclusively from verified renewable sources. This is supported by a Power Purchase Agreement (PPA) and Renewable Energy Guarantees of Origin (REGO) certificates, ensuring transparency and traceability of our energy supply.

Asset Optimisation Programme

A structured optimisation process was undertaken across facilities-managed assets to identify inefficiencies at the system and asset level. This enabled the identification and implementation of viable energy-saving opportunities.

Energy Efficiency Projects

Since 2021, Seqirus has delivered a series of energy management projects resulting in a cumulative carbon emissions reduction of 166 tCO₂e. These projects include:

- Retrofitting external street lighting with energy-efficient LED fixtures
- Replacing compact fluorescent lighting with intelligent LED systems across manufacturing areas
- Implementing a digital portal for real-time monitoring of lighting performance and failures in both upstream and downstream operations

Boiler Controls

Since 2023, Seqirus implemented oxygen trimming controls resulting in improved product control. Projected to reduce 100 tCO₂e per annum over next 4 years.

Sustainable Waste Management

In partnership with Mitie Waste Management, Seqirus continues to monitor and manage all waste streams from our Liverpool and Maidenhead sites. No waste from the Liverpool site is sent to landfill.

Waste Reduction Achievements

In 2024, Seqirus generated a total of 4,442.6 tonnes of waste, representing a 7.2% reduction compared to 4,789 tonnes in 2023. This improvement underscores our commitment to reducing overall waste generation while maintaining zero landfill waste from the Liverpool site.

Carbon Reduction Initiatives in Support of Net Zero Goals

To advance our commitment to achieving Net Zero, Seqirus UK Ltd is implementing a series of targeted carbon reduction initiatives:

Building Management System (BMS) Optimisation – Phase 2

Scheduled for completion in 2027, Phase 2 of our BMS Optimisation Project is projected to reduce carbon emissions by 238 tCO₂e over the next two years. Key measures include:

CSL Seqirus

- HVAC energy reduction through enhanced BMS control
- Reduced steam demand to Air Handling Units (AHUs)
- Dynamic calculation of AHU discharge air temperature based on cooling demand
- Introduction of room temperature dead bands
- Improved control of humidifiers and room humidity
- Implementation of a new control strategy

Reinstatement of Heat Recovery Units

We are reinstating heat recovery systems on AHUs to capture waste heat from extract air and use it to preheat incoming air. In 2025, two additional units will be brought back online, delivering an estimated annual carbon saving of 45.5 tCO₂e over the next two years.

Scope 3 Emissions Review

Seqirus UK Ltd continues to assess Scope 3 emissions to identify further opportunities for carbon reduction. This includes active collaboration with suppliers and third-party logistics providers to enhance sustainability across our value chain.

Remote Working Policy

Our flexible working policy, which allows employees to work remotely up to 25% of the time, has contributed to a measurable reduction in commuter-related emissions.

Electric Vehicle Chargers

We are increasing our capacity to provide EV charging to further reduce commuter related emissions.



Declaration and Sign Off


This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:

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8/14/2025
Date:

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>