



## Commitment to achieving Net Zero

Supplier Name - Seqirus UK Ltd

Publication Date – 28<sup>th</sup> June 2024

## 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.

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

# CSL Seqirus

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



## Emissions Reporting

Reporting Year: 2021	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	4,807.84 t CO <sub>2</sub> e
Scope 2	49.21 t CO <sub>2</sub> e
Scope 3 (Included Sources)	2,052.85 t CO <sub>2</sub> e
<b>Total Emissions</b>	<b>6,909.91 t CO<sub>2</sub>e</b>

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	4,117.78 t CO <sub>2</sub> e
Scope 2	49.21 t CO <sub>2</sub> e
Scope 3 (Included Sources)	2,026.89 t CO <sub>2</sub> e
<b>Total Emissions</b>	<b>6,193.88 t CO<sub>2</sub>e</b>



<b>Reporting Year: 2023</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>4,215.60 t CO<sub>2</sub>e</b>
<b>Scope 2</b>	<b>53.39 t CO<sub>2</sub>e</b>
<b>Scope 3 (Included Sources)</b>	<b>2,155.75 t CO<sub>2</sub>e</b>
<b>Total Emissions</b>	<b>6,424.74 t CO<sub>2</sub>e</b>

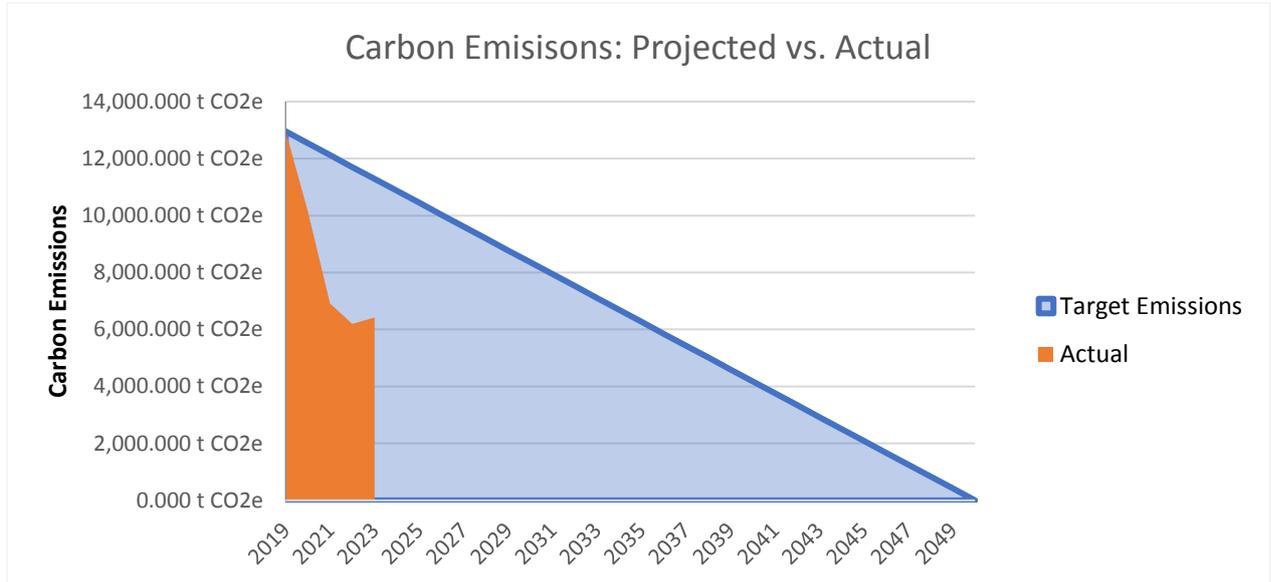
## **Emissions reduction targets**

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.

The following graph shows the total emissions for Seqirus UK Ltd from 2019 to the reporting year 2023 against the 2050 net zero target. The graph clearly shows that the current emissions from Seqirus UK Ltd are below the net zero target. Over the period 2019 to 2023 total emissions have reduced by 6,747 tCO<sub>2</sub>e a 51% reduction. The increase in emissions shown between 2022 and 2023 was driven by an increase in production across our primary and secondary operations.



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019 baseline.

The initiatives undertaken were:

- The commitment to purchase electricity from known renewable sources, backed by a Power Purchase Agreement and Renewable Energy Guarantees of Origin Certificates.
- Optimising facilities managed assets through a structured process, identifying the scale of inefficiencies across individual assets, systems, and recognising viable energy improvement opportunities.
- Seqirus completed various energy management projects since 2021 whilst reducing our carbon emissions by 166 tCO<sub>2</sub>e. These projects ranged from external street LED Lighting retrofit Installations, to replacing all compact fluorescent light fittings to intelligent LED lighting. This now enables Seqirus to monitor all Lighting failures on a electronic Portal within our Downstream manufacturing Area.
- Seqirus Continue to monitor all waste streams from Liverpool and Maidenhead with Mitie waste Management. No waste from Liverpool sites goes to landfill.
- In 2023 Seqirus produced 4,789 Tonnes of waste in total compared to 5,888 tonnes of waste in 2022. No waste from the Liverpool site goes to landfill. This is an 18% reduction in the total volume of waste generated.



In order to continue our progress to achieving Net Zero, we have initiated the following carbon reduction initiatives.

- Achieving ISO 14001 Environmental Management, ISO 45001 OHS Safety, ISO 50001 Energy Management system certifications, we consider this an evaluation of our existing strategy and aim to adopt a ISO model of continuous improvement.
- BMS Optimisation project reducing our carbon emissions by 238 tCO<sub>2</sub>e  
Achieving HVAC energy reduction through BMS optimisation and reducing the steam demand to AHU's. Calculate each AHU discharge air temp based on cooling demand. Introducing room temperature dead bands. Control humidifiers and room humidity. Managing the introduction of a new control strategy
- Reinstating heat recovery units on Air Handling Units to recover the heat from the extract air to heat the incoming air stream. In 2025 two additional units will be re-initiated with an estimated carbon saving of 45.5 tCO<sub>2</sub>e.
- Seqirus UK Ltd will continue to review our scope 3 emissions to establish further carbon reduction opportunities. This includes working with suppliers and third party logistics.
- Seqirus UK Ltd continues to support remote working with a policy allowing 25% remote working for employees. This policy has resulted in a reduction in commuter emissions.
- Seqirus have a watching brief to convert our industrial Boilers currently fed by natural gas to Green Hydrogen when the supply network becomes available.
- We are working with our facilities management providers to ensure that they are aligned with Seqirus in adopting their own carbon reduction strategies and working towards net zero by 2050.

## 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 standard<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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

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

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



accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard<sup>3</sup>.

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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*Sharon Mettala*  
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Head of Global Policy & Government Affairs

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6/28/2024

Date: .....

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