

Acculabs Diagnostics UK Ltd Environmental and Sustainability Targets

Acculabs Diagnostics UK Ltd is committed to decrease pollution through landfill, vehicle emissions, and optimised resource selection to help minimise the effects of its activities on climate change. We are currently partnered with SME Climate Hub as a Race to Zero member since November 2021 and are committed to reduce the impact of our business operations on the environment.

1. Transportation

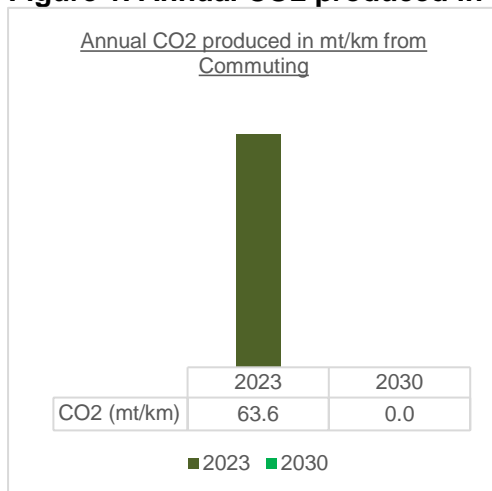
COMMUTING

Current 2023: According to a study conducted by Moneybarn, employees on average commute 21 miles on average in the North East of England. On average petrol and diesel cars produce approximately 167g/km of CO₂. Based on these statistics and there being 251 working days in 2023, each employee commuting to work on average produce 1.6mt/km of CO₂ per year (based on 2023 statistics). Based on 41 employees, commuting to Acculabs Diagnostics UK Ltd produces on average approximately:

63.6mt/km of CO₂ per year

Target 2030: 100% reduction in annual CO₂ produced from commuting from 2023 to 2030 (Figure 1).

Figure 1. Annual CO₂ produced in mt/km from commuting.



Actions to address this:

- Implement Bike2Work Scheme in 2024.
- Promote car sharing if employees share the same travel route.
- Increase opportunities for employees to work from home.

Review:

- This report will be annually reviewed to ensure targets are met and maintained.

COURIER SERVICE

Current 2023: The Logistics Fleet (2023) comprises of 4 diesel Peugeot Partner vans. According to GOV.UK, each Peugeot Partner [1.6 e-HDi 90 EGC](#) 2013/2014 van produced 125g/km of CO₂. This value has been used to calculate CO₂ production per year:

Long Route = 2091 mile service per week = 13.6mt/km of CO₂ per year
Short Route = 45 mile per week = 0.3mt/km of CO₂ per year

Based on the above routes, ALD produces on average approximately:

13.9mt/km of CO₂ per year

Target 2033: 25% reduction in annual CO₂ produced from the courier service from 2023 to 2033 (**Figure 2**).

Figure 2. Annual CO₂ produced in mt/km from ALDs Courier Service.



Actions to address this:

- A logistics diesel van will be replaced with an electric alternative that will be charged on site with ALDs renewable energy supplied by TotalEnergies and Engie by 2024.

Review:

- Over a 7 year transition period to net zero by 2030, ALD will replace the logistics diesel van fleet with electronic alternatives, eliminating its courier services CO₂ production.

2. Supplies

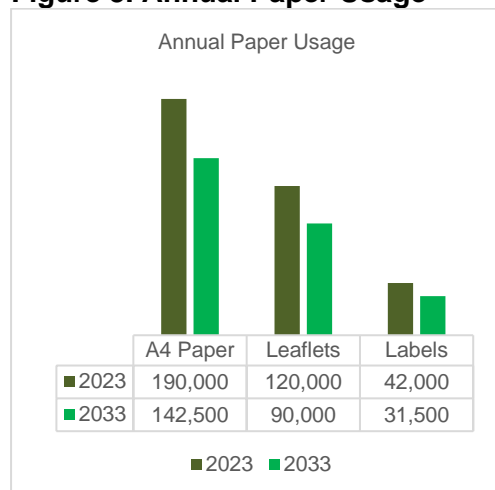
PAPER USAGE

Current 2023:

- On-site Prints:
 Approximately 190,000 sheets of A4 paper are printed by ALD per year (3654 sheets per week) to meet the needs and requirements of our users.
- Off-site Prints:
 Approximately 120,000 leaflets (2308 leaflets per week) and 42,000 labels (808 labels per week) are printed each year for kit creation across all clients.

Target 2033: 25% reduction in annual paper usage from 2023 to 2033 (**Figure 3**).

Figure 3. Annual Paper Usage



Actions to address this:

- Integration with Accupath LIMS to provide electronic request service to patients via CSV/HL7 file transfer through SFTP transmission. This will reduce the need for physical request forms.
- Integration of Accupath LIMS and Roche Infinity to eliminate the need for generating physical worklists and the need to print results from analysers as evidence.
- Utilise previously recycled paper to reduce environmental impact.
- Discuss the need for recycling services with the business park.
- Implemented GoPaperless Scheme in October 2023

Review:

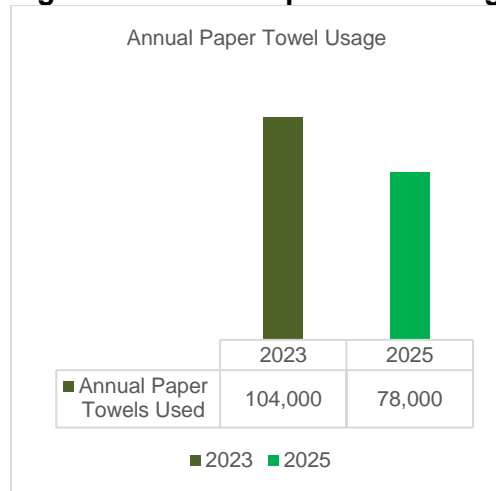
- Continuously discuss service improvements with clients.

PAPER TOWELS

Current 2023: Approximately 104,000 2 ply paper towels are used annually (3000 towels per box ordered at a frequency of 2 boxes every 3 weeks) to meet the needs and requirements of the laboratory. These are disposed of in clinical and general waste.

Target 2025: 25% reduction in annual paper towel usage from 2023 to 2025 (**Figure 4**).

Figure 4. Annual Paper Towel Usage



Actions to address this:

- Source and install hand drying stations into the toilets.

Review:

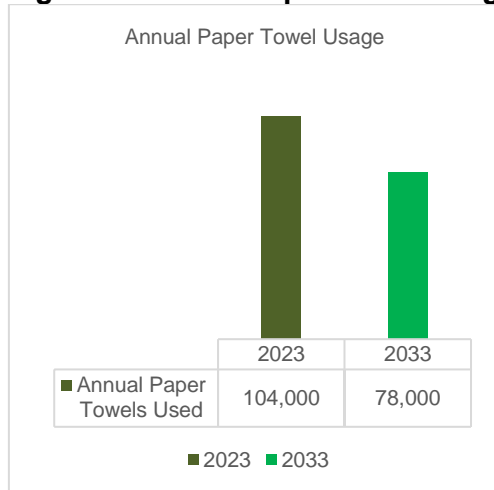
- Continuously discuss improvements within routine team and management meetings to allow staff suggestions.

PLASTIC CUPS

Current 2023: Approximately 2000 non-biodegradable plastic cups are used annually.

Target 2033: 100% reduction in non-biodegradable plastic cup usage by 2033 (**Figure 5**).

Figure 5. Annual Paper Towel Usage



Actions to address this:

- Encourage employees to bring in and use their own water bottles at refill stations.
- Procure biodegradable cups from renewable sources.
- Discuss the need for recycling services with the business park.

Review:

- Continuously discuss improvements within routine team and management meetings to allow staff suggestions.

SUPPLIERS

ALD assesses supplier requirements based on routine quality and environmental assessment to ensure environmental and sustainability targets are appropriate, met, and maintained. This is applicable to all suppliers including Roche and BD.

3. Recycling Procedure

Current 2023:

Kit/reagent/consumable/chemical Cardboard Boxes:

100% non-contaminated kit/reagent/consumable/chemical boxes are recycled through Veolia <https://www.veolia.co.uk/acting-and-committing-ecological-transformation>; Contaminated cardboard kit/reagent/consumable/chemical boxes are placed into clinical waste bags which are recycled plastic and are incinerated by PHS to generate electricity. This also includes previously analysed samples and other contaminated waste products. 95% of this excess waste is then compacted and used for construction and only 5% is sent to landfill <https://www.phs.co.uk/>.

Confidential Waste:

ALD outsource confidential waste removal to SHED-it a Stericycle Solution where all confidential paper waste is shredded and recycled. The materials used for the Shred-it document collection consoles are also 100% recovered and recycled fibres. <https://www.shredit.co.uk/en-gb/about/social-responsibility/sustainability>.

4. Energy Usage

Current 2023:

TotalEnergies supply Unit 11, Unit 12, and Unit 14 with gas and electricity that is 100% generated from renewable sources (eco energy gas certification).

LEDs or energy saving bulbs are utilised throughout the company, and current policy dictates that bulbs are replaced with LEDs or energy saving bulbs when bulbs no longer work. Motion sensors are also utilised throughout the company to ensure power usage is minimised.

Target 2033: ALD will operate on 100% renewable energy by 2033.

Actions to address this:

- Implement installation of solar panels through Wynyard Business Parks Solar Panel Scheme.

Review:

- Continuously monitor electrical and gas requirements to ensure environmental and sustainability targets of 100% renewable energy are maintained.