



# EMISSIONS INVENTORY REPORT AND MANAGEMENT PLAN

## Toitū carbonreduce and Toitū carbonzero certification

Report prepared in accordance with ISO 14064-1:2006 and the technical requirements of the Toitū carbonreduce/Toitū carbonzero programme. This report is to be read in conjunction with the Emissions Inventory spreadsheet.

This report has been verified by an auditor appointed by Enviro-Mark Solutions Limited (trading as Toitū Envirocare) to the following level of assurance: Reasonable.

## ORGANISATION INFORMATION

Company name: Nuralite Waterproofing Limited

Report date: 15 January 2020

Prepared by: John Simmons

Position: Managing Director

Changes to previous year (renewal applications only): Not applicable - first year

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## DECLARATION

This section must be completed by a staff member with budgetary authority for implementing emissions reduction projects.

I agree that to the best of my knowledge, all the information contained in this application is true and correct:

**I agree**

I confirm that my company is committed to reducing its GHG emissions and will implement the emissions management plan outlined in this form (section 10):

**I agree**

Signature:

A handwritten signature in black ink, appearing to be 'JS', written on a light blue rectangular background.

Name: John Simmons

Position: Managing Director

Organisation: Nuralite Waterproofing Ltd

Date: 15 December 2019

## 1 INTRODUCTION

As a New Zealand owned company with over 50 years of operation, Nuralite have developed a long standing reputation as the flat roof experts. Within this niche, we have steadily pioneered new technologies and solutions for New Zealand conditions. We embrace innovation, rigorous testing and draw on decades of focused experience. We are also proud to offer an unbeatable depth of customer service and technical support.

Nuralite passionately believes in doing the right thing - for our customers, for our employees and for the environment. We all must act to protect our environment against the climate crisis. Nuralite is getting its house in order by going CarboNZero and then will leverage this to encourage others to do the same.

## 2 MEASUREMENT PERIOD AND BOUNDARY

Base year: 01 April 2018 to 31 March 2019

Measurement period: 01 April 2018 to 31 March 2019

Boundary: The boundary for the small enterprise certification programme is an organisation operating for up to 3 sites with an inventory less than 200 tCO<sub>2</sub>e, and all business units and activities are included (unless stated in the exclusion table).

Consolidation approach: Operational control

## 3 EMISSIONS MEASUREMENT AND CALCULATION

### 3.1 GHG emissions profile

Table 1: GHG emissions data summary by scope (tCO<sub>2</sub>e)

	2019
Scope 1	66.54
Scope 2	5.10
Scope 3 Mandatory	964.66
Scope 3 Additional	0.00
Scope 3 One time	0.00
Total gross emissions	1,036.30

Table 2: GHG emissions by source

Activity	2019
Freight Shipping container (average)	799.57
Freight Air travel long haul (average)	53.11
Petrol	52.97
Freight Rigid and Articulated trucks	42.40

Activity	2019
Air travel domestic (average)	21.52
Air travel long haul (econ)	19.31
Freight Air travel short haul (average)	16.86
R-420A	8.84
Air travel long haul (econ+)	6.76
Electricity	5.10
LPG stationary commercial	4.72
Waste landfilled LFGR Mixed waste	2.62
Air travel short haul (econ)	2.23
Taxi (regular)	0.28
Total	1,036.30

### 3.2 Data source

Emissions have been calculated using activity data for each relevant emissions source multiplied by emissions factors provided by the Programme.

The primary data source has been from the accounting system though specific data has been sourced from our Freight Forwarding, Power and Fuel companies.

## 4 OTHER EMISSIONS

Where appropriate details can be found in the inventory spreadsheet.

### 4.1 Other emissions – biomass

No biomass is combusted in the operations and therefore no emissions from the combustion of biomass are included in this inventory.

### 4.2 Other emissions – deforestation

No deforestation has been undertaken by the organisation on land it owns and that is included in this inventory. Therefore no emissions from deforestation are included in this inventory.

## 5 LIABILITIES

Where appropriate details can be found in the inventory spreadsheet.

### 5.1 GHG stocks held – HFCs, PFCs and SF<sub>6</sub>

GHG stocks have not been reported in this inventory.

### 5.2 Land-use change

Land-use change has not been included in this inventory.

## 6 EMISSIONS SOURCE EXCLUSIONS

Table 4: Emissions source exclusions.

Business activities that create the emission	Source	Scope	Reason for excluding the emissions source
Four staff work outside Auckland work from home or from small subleased office space.			
Couriers of small packages have been treated as <i>de minimis</i>			

## 7 UNCERTAINTIES AND ASSUMPTIONS

Table 5: Uncertainties.

Business activities that create the emission	Source	Assumptions made
No business activities have created uncertainties		
The Freight Forwarder's system could provide only 10 months of detailed information. This was prorata increased to 12 months. In future, 12 months data will be available.	Customs Solutions	Pro-rated the freight from 10 months to 12

## 8 DOUBLE COUNTING

Table 6: Double counting.

Business/supplier with current carboNZero product or service certification	Source	Scope	Amount (tCO <sub>2</sub> e)
No double counting			

## 9 MANAGEMENT AND REDUCTION PLAN

### 9.1 Top management commitment:

Nuralite Waterproofing Limited is committed to continuously monitoring and reducing each year the GHG emissions needed to operate the business. Specific projects have been approved already and others will be assessed to squeeze emissions from our business

### 9.2 Awareness and training

All staff have been trained on Nuralite's emissions reduction plans. A specific newsletter has been created to keep them informed of progress. Nuralite staff have been 100% supportive of these initiatives.

### 9.3 Emissions reduction commitments

State your intended target to reduce emissions, and provide at least three emissions reduction actions for your most significant emission sources.

**Table 7: Emissions reduction target.**

Emissions reduction initiative	Target % reduction compared to base year	Base year emissions (tCO <sub>2</sub> e)	Target emissions (tCO <sub>2</sub> e)	Target date	Metric/KPI	Person responsible
Electify vehicle fleet	80.00	52.00	10.00	31/3/21	Petrol/FTE	John Simmons
Domestic Freight - Freight Rigid and Articulated trucks	15.00	42.40	36.00	31/3/21	Domestic Freight/Sales	Tony Boustred
Air Freight	50.00	70.00	35.00	31/3/21	Air Freight TCO <sub>2</sub> / Total Imported TCO <sub>2</sub>	John Simmons

**Table 8: Emissions reduction actions**

Emissions source	Action item	Person responsible	Completion date
Vehicle emissions	Replace 10 petrol vehicles with 8 electric and 2 hybrid vehicles	John Simmons	31/07/2020
Christchurch Warehouse	Lease a warehouse in Christchurch to reduce intra Island freight	Tony Boustred	31/03/2020
Air Freight Imports	Increase stock holdings of Nurajacks so that less likelihood of stockouts	John Simmons	31/12/2019
Waste reduction	Remove and recycle plastic waste currently going to landfill	Tony Boustred	31/03/2020

Recording all flight details into accounting system before payment to improve accuracy  
 To the best of our knowledge no projects outlined to reduce emissions result in increased environmental impacts elsewhere. Where this is not the case, details are given below.  
 None

## 9.4 Emissions reductions

Base year GHG emissions = 1,036.30 tCO<sub>2</sub>e  
 GHG emissions calculated for this reporting period = 1,036.30 tCO<sub>2</sub>e  
**Difference in GHG emissions = 0.00 tCO<sub>2</sub>e**

n/a

## 10 DEMONSTRATING PROGRESS THROUGH KEY PERFORMANCE INDICATORS (KPIs)

Table 9: KPIs

KPI	2019
Full Time Equivalent Employees - Average Full Time Equivalent Employees over the period	19.00
Import Volume - Weight of all products imported	1,939.34
Turnover/revenue (\$Millions)	10.7000

Table 10: GHG emissions per KPI

KPI	2019
Total gross GHG emissions per Full Time Equivalent Employees - Average Full Time Equivalent Employees over the period	54.54
Total gross GHG emissions per Import Volume - Weight of all products imported	0.53
Total gross GHG emissions per Turnover/revenue (\$Millions)	96.85

## 11 MITIGATING (OFFSET) YOUR EMISSIONS (FOR TOITŪ CARBONZERO CERTIFICATION)

Purchased or developed GHG emissions reductions and removals enhancements from GHG emission reduction and enhancement projects: 1,037.00 tonnes CO<sub>2</sub>e

## 12 ADDITIONAL INFORMATION

Renewal applications only:

- Examples of use of the certification marks or logos and promotional material about our Toitū carbonzero Certification have been compiled ready for inspection by the verifier.
- Our complaints register for the certification period to date is available for inspection by the verifier.

## 13 APPENDIX: ADDITIONAL DETAILS

Table 11: Deforestation of more than 2ha.

Area deforested	Mass (M <sup>3</sup> /tonnes)	tCO <sub>2</sub> e
N/a	n/a	n/a

Table 12: Potential liability (total sequestration over all years).

Type of sequestration	Liability tCO <sub>2</sub> e
n/a	n/a

**Table 13: Contingent liability (sequestration included in the current inventory).**

Type of sequestration	Liability tCO <sub>2</sub> e
n/a	n/a

**Table 14: GHG stock liability summary**

Source	Units	Quantity	Potential Liability tCO <sub>2</sub> e
R-410A	kilograms	6.00	12.53