

GHG Public Report Chemform Pty Limited

Work completed by Positive Carbon Pty Ltd, 2010.



Introduction

This public report outlines the 2009 Chemform Pty Limited Carbon Footprint Analysis for Scope 1 and 2 emissions, including the extent of direct carbon reduction offsets retired and predicted emissions reductions from implementing an Emissions Management Plan.

Objectives

The purpose of 2009 Carbon Footprint Analysis and Emissions Management Plan was to:

- A) Measure the carbon footprint of the company and establish a lower carbon emissions target;
- B) Characterise the company's energy use behaviours and quantify the effects of altered behaviours in terms of Greenhouse Gas (GHG) emissions;
- C) Establish carbon emission reductions through commitments to altered energy use behaviours (i.e. Emissions Management Plan - EMP); and
- D) Offset carbon emissions through the retirement of eligible carbon offset reduction units.

GHG Emissions – Baseline

Information supplied by Chemform Pty Limited included electricity consumption for the 2009 period (i.e. 131,021 kW) calculated from quarterly electricity bills, gas consumption (i.e. 46,882MJ), annualised petroleum fuel usage for three medium and 12 large sized vehicles (i.e. 29,201.93 L for 6 months), diesel usage for four trucks and 1 large ute (i.e. 14,620.88 L for 6 months) and LPG usage for a forklift (i.e. 10,719 L for 12 months). This is the basis for estimating the company's carbon footprint.

The annual 2009 carbon footprint estimate is 347.42 t CO₂-e; comprising 110.06 t CO₂-e for electricity use, 2.76 t CO₂-e for natural gas use, 163.53 t CO₂-e for petrol consumption, 87.73 t CO₂-e for diesel consumption and 19.29 t CO₂-e for LPG consumption.

GHG Emissions – Offset Requirement

The carbon reduction offset required to bring the unmitigated carbon footprint to a neutral status is 348 carbon reduction offsets (i.e. carbon credits).

The carbon reduction offset required to bring this unmitigated carbon footprint inline with Commonwealth Governments lower 2020 benchmark for carbon pollution reduction is 18 carbon credits (i.e. 5% reduction from baseline*).

The carbon reduction offset required to bring this unmitigated carbon footprint inline with Commonwealth Governments higher 2020 benchmark for carbon pollution reduction is 87 carbon credits (i.e. 25% reduction from baseline*).

Note: * Company benchmark established from available data for 2009. Kyoto Protocol 1990 baseline levels are not available for this report.

GHG Mitigation – Emissions Management Plan

Chemform Pty Limited has committed to activate various proposed energy use behaviours to reduce carbon emissions. Collectively the successful implementation of these energy reduction behaviours is predicted to result in a 5.3% emissions reduction. The success of the Emissions Management Plan will be evaluated at an end of period audit (12 months forth hence).

GHG Mitigation – Carbon Reduction Offsets

Chemform Pty Limited have offset predicted 2009 carbon emissions by retiring 348 carbon reduction offset units eligible under the National Carbon Offset Standard (Australian Government, 2010) making Chemform Pty Limited a carbon neutral company. This offset has been established through positive CARBON.

Forward Statement

The carbon reduction offset applied to 2009 emissions (i.e. company baseline) has established a carbon reduction consistent with targets established by the Australian Government for 2020.

Notwithstanding, the successful implementation of proposed behavioural adjustments in energy usage will alone result in compliance with the Australian Governments 2020 targets.

An Audit of these claims is to be completed for the 12 month period ending 03/06/2011. Variance from the GHG Mitigation proposed in this report, which is defined in the supporting Carbon Footprint Analysis Report and Emissions Management Plan, will be addressed in this future audit.