

SUMMARY OF CARBON REDUCE CERTIFICATION

MWH TREATMENT LTD

MWH Treatment Limited meets the requirements of CEMARS® certification having measured its greenhouse gas emissions in accordance with ISO 14064-1:2006 and committed to managing and reducing its emissions in respect of the UK organisation activities including all Joint Ventures except CMDP and SMB.



Introduction¹

MWH Treatment Limited (MWHT) is a design and build contractor involved in the design, construction and setting to work of water and waste water treatment plants. MWH Treatment was formerly known as Stantec Treatment Limited but was sold on 2nd November 2018 to GFI Energy (part of Oaktree Capital, a private equity company) and officially became MWH Treatment at Companies house on 6th December 2018. This inventory reports into the CEMARS programme. This inventory forms part of the organisation's commitment to gain Programme certification and for Streamlined Energy and Carbon Reporting requirements. This inventory reports into the Toitū carbonreduce programme. This inventory forms part of the organisation's commitment to gain Programme certification.

Within MWH Treatment, MWH Direct undertakes small scale construction work and 'man in a van' workforce for construction sites within the Severn Trent region. In addition to the design and build capabilities, during 2019, MWH Treatment had Infrastructure Asset Management Services (IAMS). The IAMS works predominately involve leakage detection and control, and clean and wastewater network design, analysis and optimisation; survey and underground utility mapping; geographical information and data management; flood mitigation and drainage catchment management.

During 2014, Joint Ventures (JV) were established for working with clients Thames Water (SMB – Skanska, Mott MacDonalds and MWHT) and United Utilities (advance – Balfour Beatty and MWHT). Other Joint Ventures were established during 2015 for clients Scottish Water (ESD - Galliford Try, Black & Veatch [left the JV in 2019] and MWHT), Southern Water (CMDP – Costains and MWHT). These Joint Ventures continued to operate during 2020, however data is included/excluded in this footprint process based on operational control and responsibility for procuring fuel and other utilities impacting upon the footprint. In 2020 MWHT commenced working with Murphys (as a preferred infrastructure partner) on United Utilities framework, as 'advance plus'.

Joint Ventures CMDP, SMB and Leslie MWH have been excluded as MWHT does not have operational control. However, some emission sources have been included namely: business air travel, rail travel, and car and van fuel use from these Joint Ventures as it is collated from a company perspective and not as an individual JV. MEPS, Joint Venture with manufacturing company EPS most recent project was in 2019 with all manufacturing activities under the responsibility of EPS and MWHT responsible for installing the equipment. The Joint Ventures Coag, Frankley Lime and RGF are included as there is shared operational control with each contractor managing their construction site. For 2020, the advance Joint Venture has been included as it is a 50:50 split applied for the partner companies with MWH Treatment having responsibility throughout the project lifecycle. The ESD Joint Venture has been incorporated as MWHT has control over the procurement activities including purchase of gas oil – 50% of these will be incorporated as there are now 2 companies within the JV. In 2020 advance plus operations commenced – these are reported in the MWH Treatment footprint with fuel used in plant and equipment split by 50%.

¹**Disclaimer:** This Disclosure Statement is a summary of the verified information considered for certification and the certification decision. It should not be taken to represent the full submission for certification. Whilst every effort has been made to ensure that the information in this Disclosure Statement is accurate and complete, Enviro-Mark Solutions Limited does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information.

MWH Treatment has several regional offices but the use of the premises is covered by individual agreements. Below shows the agreements in place and the reasons why certain offices have been included or excluded in this greenhouse gas emissions inventory.

Offices included:

- Coleshill Office, Coleshill – MWH Treatment lease a floor in an office which is used by MWHT Direct in the Severn Trent region. The landlord provides the utilities and charges MWHT for electricity usage.
- Phoenix Stores, Heywood – MWH Treatment rented four stores on an industrial estate close to the Head Office. Units 4 and 5 were closed on 17th June 2016. 2 Units (6 and 7) are still in use and are managed by Direct and Leakage who are included in the carbon footprint (as part of the JV), under “Central” activities.
- Soapworks Office – MWHT lease part of the Soapworks complex as its Head Office. The landlord invoices MWHT for utilities.
- Cardinal Square (Derby) Office – Moved in on 26th November 2018. There is a license agreement in place with landlord and MWH Treatment is responsible for payment of utilities. A meter reading is provided for the year which is divided by 12 to provide average monthly consumption.

Offices excluded:

- Anglian Water Facilities – Asset Management (leakage and networks) use the facilities provided by Anglian Water at Canwick STW, Pitsford Engineering Office, Cotton Valley STW (in Milton Keynes) and Heigham WTW.
- Bamford WTW Office – This is temporary site accommodation (was part of the MWH Vinci Alliance but now only MWHT based on site and the alliance is no longer operational). It uses mains electricity provided by the client Severn Trent Water.
- Worsley Balfour Beatty Office – this office is being provided by BB and being used by employees’ part of the advance framework.
- Edinburgh Office - This is leased by MWH UK and used by survey staff and Operations working for Scottish Water. MWH UK provide the electricity.
- Falmer Office – This is owned and managed by Southern Water and used by the CMDP Joint Venture (partnered with Costains). Southern Water provide the utilities.
- High Wycombe Office - This is leased by Stantec UK and used by those working on the SMB alliance (Skanska, Mott MacDonalds and MWH (now MWH)). Stantec UK provide the electricity.
- Peterborough Office – Thorpewood House is owned by Anglian Water. This office integrates Anglian Water staff with @one Alliance employees (combination of contractors and consultants including MWH Treatment).
- Stepps Office – This is an ESD Joint Venture office which was procured by Galliford Try and managed on behalf of the ESD.
- Thames Water Offices – The offices used by SMB Joint Venture employees and managed by Thames Water are Beckton Sewage Treatment Works (STW) administration building and Maple Lodge (office on TW STW site).

This inventory will be reported in the Annual Financial Report as per the government requirement for Streamlined and Energy Carbon Reporting.

Boundary

See Diagram.

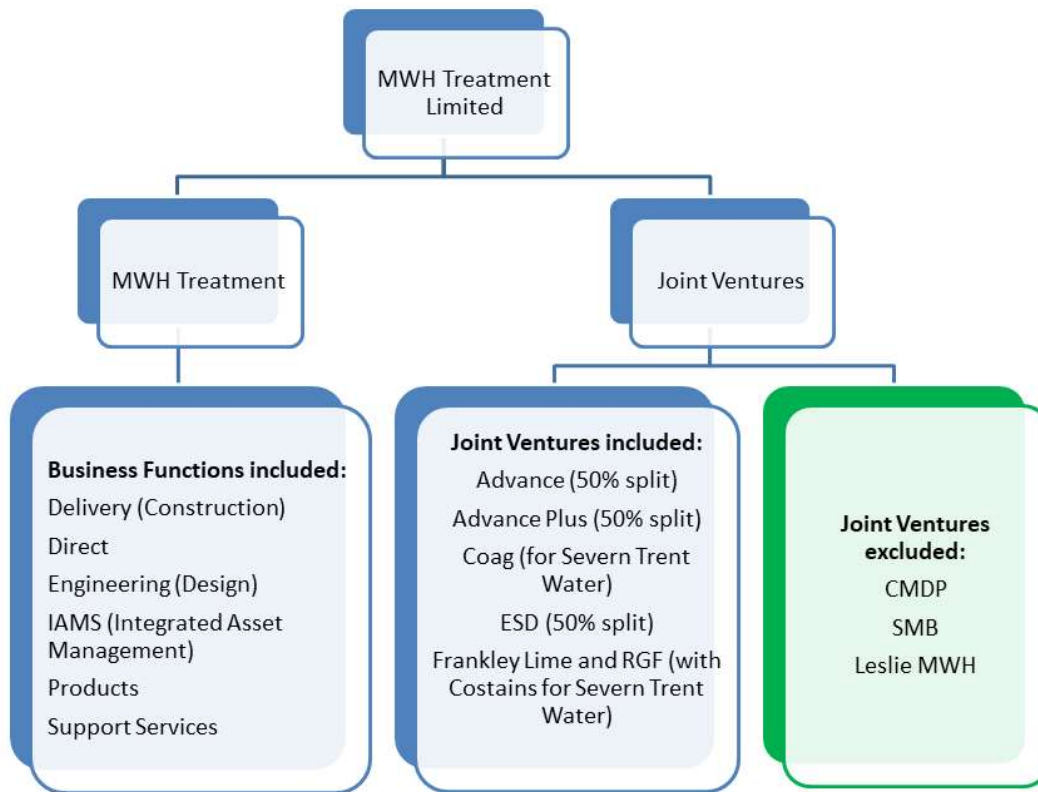


Figure 1: Organisational structure showing business units included and excluded.

Consolidation approach

An operational control consolidation approach was used to account for emissions. Organisational boundaries were set with reference to the methodology described in the GHG Protocol and ISO14064-1:2006 standards. The GHG Protocol allows two distinct approaches to be used to consolidate GHG emissions: the equity share and control (financial or operational) approaches. The Programme specifies that the operational control consolidation approach should be used unless otherwise agreed with the Programme. An operational control consolidation approach was used to account for emissions.

Base year

01 January 2014 to 31 December 2014

Measurement period

01 January 2020 to 31 December 2020

Emissions source inclusions

The operational GHG emissions for the organisation by emissions source are shown in Figure 2 below.

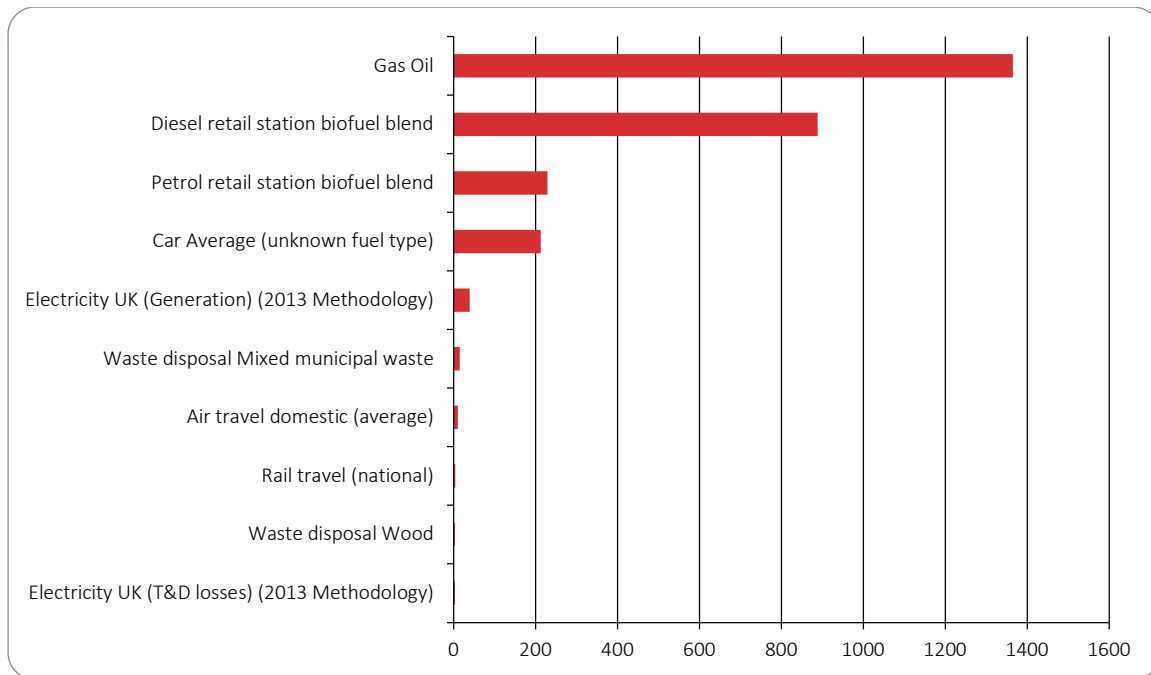


Figure 2: GHG emissions by emissions source.

Emissions as tonnes of carbon dioxide equivalents (tCO₂e) for this period were:

Scope	tCO ₂ e
Scope 1	2,482.62
Scope 2	39.64
Scope 3 Mandatory	255.64
Scope 3 Additional	0.00
Scope 3 One time	0.00
Total gross emissions	2,777.90

Emissions source exclusions

The following emissions sources were excluded from the inventory for this measurement period:
 See table for GHG emissions sources excluded from the inventory.

Emissions sources excluded cumulatively amount to less than 5% of the total inventory reported.

Business unit	GHG emissions source	GHG emissions level scope	Reason for exclusion
MWH Treatment	Couriers and Freight	Indirect (Scope 3)	De minimis estimation is less than 1% of the overall GHG emissions.
	Ferry Journeys	Indirect (Scope 3)	De minimis estimation is less than 0.5% of the overall GHG emissions. There were 51 ferry journeys recorded during 2020.
	Bus Travel	Indirect (Scope 3)	De minimis estimation is less than 0% of the overall GHG emissions. 11 bus journeys recorded during 2020.
	Refrigerants	Direct (Scope 1)	De minimis estimation is less than 0.3% of the overall GHG emissions. A leakage of 3kg of R410A was recorded during 2020.
	Water Supply and Wastewater Treatment	Indirect (Scope 3)	De minimis estimation is less than 1% of the overall GHG emissions.

Emissions reduction commitments

A GHG emissions management plan and reduction targets have been developed.

Currently MWH Treatment is determining a Science Based Target (SBT) to achieve Net Zero Carbon by 2030. Until an SBT is determined, MWH Treatment has committed to reducing the net emissions per £million turnover by a further 20% by 2024 (based on 2019 performance) totalling a 45% reduction overall against a three-year average baseline (2012 – 2014). This equates to an annual 4% reduction in emissions.

GHG Emission Reduction Initiative	Target	Baseline (tCO ₂ e intensity)	Target date
MWH Treatment – net emissions intensity reduction	Further 20% reduction by 2024 (based on 2019 performance). This will be a total 45% reduction against baseline.	43.23	Five-year period to 2024 (baseline three year average 2012 - 2014)
MWH Treatment Net Zero Carbon	Zero carbon by 2030	43.23	Ten-year period to 2030 (baseline three year average 2012 - 2014)

Verified by

Achilles Assessment Services

Data quality score

High

Threshold of materiality

Excluded emissions do not exceed 5% of the total footprint for organisation stated.

Level of assurance

Reasonable

Certification status

Carbon Reduce certified organisation

Certificate number

2021035J

Valid until

1 March 2022



1st Floor, Soapworks, Colgate Lane, Salford, M5 3LZ
 Telephone: +44 (0)1706 62 6265, catherine.price@mwhreatment.com