



Western Health
and Social Care Trust

ENVIRONMENTAL REPORT 2017/18

April 2018

TITLE: ENVIRONMENTAL REPORT

DATE: APRIL 2018

RESPONSIBLE PERSON: HEAD OF ESTATES

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Executive Summary

Report has been prepared to provide assurance to Trust Board that the requirements of current environmental legislation and guidance (including ISO 14001) are being met, and detail environmental performance in Western Health & Social Care Trust for the period of **April 2017 to March 2018**.

Overall, significant progress has been made in relation to achieving and maintaining acceptable standards; and with the continued commitment of management, environmental arrangements across Trust will continue to improve.

Trust has in place an Environmental Policy and an accredited Environmental Management System (EMS) to requirements of ISO14001.

Environmental performance indicators are summarised in **Appendix 1**

Environmental performance targets achieved in 2017/18:

ISO14001	Accreditation maintained No enforcement action from NIEA
Energy	Energy consumption reduced by 2% (excluding OH&PCC and NW Cancer Centre) 3i energy module implemented
Water	2% reduction in water usage
Waste	17% reduction in clinical waste costs Offensive waste segregation complete in main Hospital sites
Controls Assurance	Environmental management – 94% score Waste management – 93% score

Environmental performance targets NOT achieved in 2017/18:

Waste	Target - Reduce non-hazardous waste costs by 7.5% Non-hazardous waste costs reduced by 3.5% in year From January 2018, clinical Waste 'Quality Improvement Project' has successfully diverted approximately 35 tonnes per month from clinical waste to non-hazardous waste. Target was not achieved in year due to higher than expected increase in non-hazardous waste (i.e. waste diverted from clinical waste). However, clinical waste cost reduction (12% target) was exceeded - 17% cost reduction was achieved in year. Project will provide overall net revenue savings of £100,000 per annum.
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1.0 Introduction

- 1.1 Western Health & Social Care Trust (hereafter 'Trust') believes that the effect of its activities on the environment is of significant importance and recognises that the minimum acceptable level of environmental performance is laid down by statutory legislation.
- 1.2 Trust will review environmental performance, and both develop and implement management plans to ensure continual improvement.
- 1.3 Trust has achieved and maintained accreditation for Trust premises to 'ISO14001-Environmental Management Systems'.
- 1.4 This report has been prepared to review the Trust's overall environmental performance and management systems – to ensure their continuing suitability, adequacy and effectiveness.
- 1.5 South West Acute Hospital has an independent 'ISO14001-Environmental Management System' maintained by Interserve FM.

2.0 Management Structure

- 2.1 Director of Performance and Service Improvement is Board level Director nominated with environmental responsibility.
- 2.2 Responsibility is devolved through Assistant Director of Facilities Management to Head of Estates, and to Head of Specialist Services and Medical Engineering.
- 2.3 Head of Specialist Services and Medical Engineering (Estates) is responsible to implement environmental policy across Trust – and ensure continual improvement in environmental management.
In particular:
 - set and review environmental objectives
 - identify and request adequate resources
- 2.4 Current management is detailed in Trust Environmental Policy.

3.0 Environmental Policy

- 3.1 Environment Policy for Trust has been developed and approved by Trust Board.
- 3.2 Policy states a commitment (among others) to;
 - comply with or exceed legal or other requirements
 - prevent pollution (air, land and water)
 - achieve continual improvement in environmental management
- 3.3 Estates Quality Management Group monitors implementation of Environment Policy as part of ISO14001 Trust environmental management system (EMS).

4.0 Environmental Review

- 4.1 Trust has completed review of environmental aspects (risks) that consider all aspects associated with Trustwide activities.
- 4.2 Aspects that may impact on the environment across Trust are identified – considering past, ongoing and future activities, and direct (on site activities) or indirect (suppliers or site users). Aspects also considered under normal and abnormal (e.g. startup/shutdown) operation conditions and emergency situations/accidents.
- 4.3 ‘Significant Environmental Risks’ are identified across Trust and documented in environmental aspects risk register as part of ISO14001 Environmental Management System.

5.0 Environmental Compliance

- 5.1 Legal and other requirements relating to environmental aspects across Trust have been identified, and are documented in Register of Compliance as part of Environmental Management System (EMS).
- 5.2 Current level of compliance across Trust is identified – and any non-compliance to be addressed as part of Environmental Management System (EMS).

6.0 Environmental Awareness

- 6.1 Environment Policy is available on Internet (external) and Trust Intranet (Internal). Environmental training and information for staff is fragmented across Trust.
- 6.2 Review of environmental training has been completed. Environmental training programme is ongoing for key personnel (e.g. Support Services) across the Trust.

7.0 Internal Assurance

- 7.1 Internal Audits are undertaken to ensure that the Environmental Management System is systematically reviewed on a regular basis to check its continuing suitability and effectiveness.
- 7.2 Environmental audit programme undertaken across the Trust. Programme and records available in Estates.

8.0 External Assurance

- 8.1 As one of 90 participants, the Trust completed a return for Northern Ireland Environmental Benchmarking Survey in 2017.

Trust achieved a ‘Platinum’ category award – with a mark of over 90% (one of only 24 participants to achieve top category – and the only Trust to achieve the top category). Award was received on behalf of the Trust by Mr Myles Smith (Head of Specialist Services) and Mr Alvar Norris (Environment Manager) at awards ceremony in Belfast in November 2017.

- 8.2 Controls Assurance return 2017/18– overall substantive score of 94% (Environment) and 93% (Waste).

8.3 Ongoing external audits of Trust to the requirements of 'ISO 14001-Environmental Management Systems'.

Last audit report in June 2017 (SGS UK) – and next audit scheduled in June 2018.

8.4 Northern Ireland Environment Agency (NIEA) continues to monitor discharges and undertake ad-hoc audits across the Trust. No consent failures or enforcement action in year.

9.0 Environmental Performance

9.1 The Trust has continued to improve overall performance in environmental management against key objectives.

See Appendix 1 – Key Performance Indicators 2017/18

9.2 Energy

The Trust's energy performance has continued to improve year on year. Energy consumption, particularly in regard to heating which benefitted from investment in a number of energy efficiency schemes. These schemes comprised a boilerhouse efficiency project and a decentralisation project on the Altnagelvin site, which are both currently being evaluated as part of the post project evaluation process. Early indications indicate potential revenue savings of £160,000 per annum.

Estates Energy Team ran a successful energy awareness week across the Trust in November 2017, comprising a series of information events held in Altnagelvin, OH&PCC and SWAH. This was a no-cost initiative with the aim of raising awareness amongst Trust staff and visitors as to the positive impact energy savings can have, and was well received across the Trust.

9.3 Water

The Trust continued to reduce water consumption in year. Proactive monitoring and management, and effective use of our 'automatic meter reading' AMR technology has been key to promptly identifying and rectifying leaks.

9.4 Waste

Waste management and segregation has continued to improve across the Trust.

Food waste segregation has been implemented across the Trust (i.e. brown bins) in accordance with Food Waste (NI) Regulations 2015, and food waste is no longer macerated and discharged to drains.

As part of an Estates Quality Improvement Project in 2017 to reduce clinical waste in main hospital sites (Altnagelvin, SWAH and Omagh), new offensive waste stream (e.g. hygiene waste) has been rolled-out in accordance with HTM07-01 'Safe management of healthcare waste'.

From January 2018, an average of 35 tonnes per month of clinical waste has been diverted to offensive waste, resulting in ongoing revenue savings of approximately £100,000 per annum.

10.0 Environmental Objectives 2018/19

- 10.1 Environmental objectives are presented to Estates Quality Management Group. Objectives are documented and progress recorded on Estates shared drive.

See Appendix 2 – Environmental Objectives 2018/19

Key Performance Indicators - 2017/18

Objectives		KPI Target - 2017/18	Progress (April 2018)
1	ISO14001	Maintain ISO14001 accreditation for the Trust No enforcement action from NIEA	Target Achieved Accreditation maintained - No enforcement action
2	Energy	reduce energy consumption by 2% (excluding OH&PCC and NW Cancer Centre)	Target Achieved 2% reduction
		implement 3i energy module	Target Achieved 3i module implemented
3	Water	1% reduction in water usage	Target Achieved 2% reduction
4	Waste	Improve waste segregation Reduce clinical waste costs by 12%	Target Achieved 17% reduction £66,838 savings – from Sept 2018
		Reduce non-hazardous waste costs by 7.5%	Target NOT Achieved 3.5% reduction Significant Increase in offensive waste diverted from clinical waste
		Roll-out offensive waste stream across the Trust	Target Achieved Offensive waste segregation complete in main Acute hospital sites
5	Controls Assurance – Environmental Management	Maintain substantive compliance (75%) across Trust	Target Achieved 94% score
6	Controls Assurance – Waste Management	Maintain substantive compliance (75%) across Trust	Target Achieved 93% score

Environmental Objectives - 2018/19

Objective		KPI Target - 2018/19
1	ISO14001	<p>Maintain ISO14001 accreditation for the Trust</p> <p>No enforcement action from NIEA</p> <p>Roll-out 3i software for environmental audits</p>
2	Energy	Reduce Trust energy consumption by 1%, (5KWh/M ²)
		Reduce OH&PCC energy consumption by 2% (10KWh/M ²)
		Develop Trust energy database and reporting system
3	Water	Reduce energy consumption by 1%, (0.02M ³ per M ²)
4	Waste	<p>Improve waste segregation:</p> <ul style="list-style-type: none"> • Reduce clinical waste costs by 16% (2016/17 baseline) • Recycle/recover 90% of non-hazardous waste