# Unit 301: Understanding construction practice in Wales.

# Learning Outcomes 5: Understand the relationship between trades and the environment.

**Learner Task Criteria 5.4**

This section deals with waste disposal in construction.

Research and answer the following questions relating to this topic area. Use the links listed below to help you and any other relevant web links.

1. How can the3 Rs of waste management (reduce, reuse, and recycle) of

materials reduce the environmental impact in your trade are.

2.Why is it important to accurately order materials to reduce site waste and save money on over-ordering and waste-disposal costs?

3. Why is it important to know how to store materials in an appropriate manner and how to control inventory and sort waste on site.

4. Research and explain what WRAP means relating to practice guidance for industry waste management and to be able to link this to on-site construction waste-disposal initiatives.

5. What are the types of materials commonly recycled on site and what impact will recyclable and biodegradable materials have on landfill and cost to the environment.

6. Research and explain the main points of the public register of scrap-metal dealers in Wales and how scrap materials can hold value (including copper), understand that it is a finite resource.

7. Describe how to dispose of hazardous waste including, cement-bonded and fibrous asbestos waste collection.

8. What will be consequences to self, others, and the environment of not following best practice and the statutory requirements in relation to waste disposal?

9. What are the key features of COSHH Regulations including the Environmental Protection Act, The Hazardous Waste Regulations, Pollution Prevention and Control Act, Control of Pollution Act, The Waste Electrical and Electronic Equipment Regulations1.

Suggested website links:

[What Are the 3Rs of Waste Management? - Green Coast](https://greencoast.org/3rs-of-waste-management/)

The 2 links below provide information relating to reducing site waste and over ordering and waste disposal costs.

[Ordering the correct quantity of construction materials - Construction Project Management Services and Construction Books (pn-projectmanagement.com)](https://www.pn-projectmanagement.com/construction-management-blog/order-the-correct-quantities-of-construction-materials-on-your-project)

[6 Methods Of Managing Material Orders On Site (livecosts.com)](https://livecosts.com/project-management/managing-material-orders-on-site/)

[WRAP - sustainable construction information | Sustainability Exchange](https://www.sustainabilityexchange.ac.uk/wrap_sustainable_construction_information)

[Construction waste and materials efficiency | NBS (thenbs.com)](https://www.thenbs.com/knowledge/construction-waste-and-materials-efficiency)

Refer to the links below to learn more.

[Landfill waste (europa.eu)](https://environment.ec.europa.eu/topics/waste-and-recycling/landfill-waste_en)

[Do Biodegradable Items Degrade in Landfills? (thoughtco.com)](https://www.thoughtco.com/do-biodegradable-items-really-break-down-1204144)

[Compostable, degradable, biodegradable and oxodegradable plastics | Less Waste](https://www.lesswaste.org.uk/recycle/compostable-degradable-biodegradable-and-oxodegradable-plastics/)

Understanding how scrap metal is disposed of within the environment.

[Scrap and metal recycling - Waste management and recycling (hse.gov.uk)](https://www.hse.gov.uk/waste/metals.htm)

[Natural Resources Wales / Scrap metal dealers public register](https://naturalresources.wales/permits-and-permissions/scrap-metal-dealers-public-register/?lang=en)

[Natural Resources Wales / Check for a permit, licence or exemption (Public Register)](https://naturalresources.wales/permits-and-permissions/check-for-a-permit-licence-or-exemption/?lang=en)

[Fordpad Limited | Specialists in Metal Recycling | West Glamorgan (fordpad-metals.co.uk)](https://www.fordpad-metals.co.uk/)

[How to Safely Dispose of Asbestos: A Guide | SafetyCulture](https://safetyculture.com/topics/asbestos/asbestos-disposal/)

[COSHH basics - COSHH (hse.gov.uk)](https://www.hse.gov.uk/coshh/basics/index.htm)

[World-leading Environment Act becomes law - GOV.UK (www.gov.uk)](https://www.gov.uk/government/news/world-leading-environment-act-becomes-law)

[Hazardous waste: Producers and holders - GOV.UK (www.gov.uk)](https://www.gov.uk/dispose-hazardous-waste/producers-and-holders)

[Environmental Protection Act 1990 - Wikipedia](https://en.wikipedia.org/wiki/Environmental_Protection_Act_1990)

The Waste Electrical and Electronic Equipment Regulations

[Regulations: Waste Electrical and Electronic Equipment (WEEE) - GOV.UK (www.gov.uk)](https://www.gov.uk/guidance/regulations-waste-electrical-and-electronic-equipment)

<https://www.bing.com/videos/search?q=the+waste+electrical+and+electronic+equipment+regs&qpvt=the+waste+electrical+and+electronic+equipment+regs&view=detail&mid=B7817C70EA314FF49>

<https://www.bing.com/videos/search?q=the+waste+electrical+and+electronic+equipment+regs&qpvt=the+waste+electrical+and+electronic+equipment+regs&view=detail&mid=FC41B996C0DB3360FDA9FC41B996C0DB3360FDA9&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3Dthe%2Bwaste%2Belectr>