APPENDIX 4: SITE WASTE MANAGEMENT PLAN (SWMP)

Project: Hydro Aluminium Site Redevelopment
Location: Wrexham Industrial Estate, Wrexham
Principal Contractor: UK Engineering

1.0 Regulatory Framework (Wales)

This plan is designed to comply with the following Welsh legislation and best practice:

- **The Waste (England and Wales) Regulations 2011 (as amended):** specifically Regulation 12 (Duty to apply the Waste Hierarchy).
- **Environmental Protection Act 1990 (Section 34):** Duty of Care regarding waste transfer.
- **The Hazardous Waste (Wales) Regulations 2005:** Protocols for contaminated soil and hazardous materials.
- **Environment (Wales) Act 2016:** Sustainable management of natural resources.
- **Regulator:** Natural Resources Wales (NRW).

2.0 Roles and Responsibilities

- **Waste Champion (Site Manager):** [Name TBC] - Responsible for ensuring all waste leaves site with correct documentation (Waste Transfer Notes/Consignment Notes).

- **Ecological Clerk of Works (ECoW):** [Name TBC] - Responsible for advising on vegetation clearance and invasive species (e.g., Japanese Knotweed) disposal.

- **All Subcontractors:** Must declare waste arising and strictly adhere to the segregation rules.

3.0 Waste Minimisation Strategy (The Hierarchy)

In accordance with **Regulation 12**, we will apply the Waste Hierarchy as follows:

1. **Prevention (Reduce):**
    - Steelwork will be prefabricated off-site to design specifications to eliminate cutting waste.
    - Packaging will be returned to suppliers (e.g., pallets, cable drums) where possible.
2. **Reuse:**
    - Excavated "muck" and rubble from the brownfield clearance will be crushed/screened and re-used as sub-base for the new hardstanding/car parking where geotechnical tests allow.
    - Topsoil will be stripped and stored in 2m bunds for re-use in landscaping.

3. **Recycle:**
    - Dedicated skips provided for: **Wood, Metal, Gypsum, Plastic**.
    - **Steel off-cuts:** Segregated immediately into the Metal skip for high-value recycling.
4. **Recovery:**
    - General waste that cannot be recycled will be sent to a facility for Energy from Waste (EfW) incineration.
5. **Disposal:**
    - Landfill is the last resort. **No burning of waste is permitted on site**.

4.0 Expected Waste Types & EWC Codes

Use these codes for your Waste Transfer Notes (WTNs). Incorrect codes can lead to fines from NRW.

Waste Category	Specific Stream	EWC Code (Classification)	Handling Instruction
Excavation (Inert)	Soil & Stones (Clean)	17 05 04	Reuse on site or Inert Landfill
Excavation (Haz)	**Contaminated Soil**	17 05 03*	**HAZARDOUS:** Isolate, test (WAC), specialist disposal
Concrete	Concrete/Bricks	17 01 01 / 17 01 07	Reuse as crushed aggregate
Metals	Steel off-cuts, rebar	17 04 05	Metal Skip (100% Recyclable)
Packaging	Plastic Wrap/Strapping	15 01 02	Plastic Skip
Packaging	Wooden Pallets	15 01 03	Wood Skip (Return to supplier if poss)

Drylining	Plasterboard (Gypsum)	17 08 02	**MUST** go in dedicated Gypsum bag/skip (Do not mix!)
Hazardous	Oily Rags / Spill Kits	15 02 02*	Haz Waste Skip / Drum. Consignment Note req.
Mixed	Canteen/Office Waste	20 03 01	General Waste Skip

*(Note: Codes with an asterisk * denote Hazardous Waste)*

5.0 Duty of Care (Checklist)

Before any waste leaves the project site at Hydro Aluminium on Wrexham Industrial Estate site, the Site Manager must verify:

- [✓] **Carrier is Registered:** The haulier holds a valid Upper Tier Waste Carrier Licence (check via NRW public register).

- [✓] **Destination is Permitted:** The tip/recycling centre has an Environmental Permit to accept *that specific type* of waste.

- [✓] **Documentation:**
  - **Non-Hazardous:** A Waste Transfer Note (WTN) is signed and kept for **2 years**.
  - **Hazardous:** A Consignment Note is signed and kept for **3 years**.

6.0 Monthly Waste Data Tracker

To be updated by the Site Manager at the end of every month. This data determines our recycling performance.

Month: _____ **Year:** _____

Date	Waste Type (e.g. Muck, Steel, Wood)	EWC Code	Carrier Name	Ticket / Note No.	Destination Site	Volume (m3) or Weight (Tonnes)	Fate (Recycled / Landfill)
	Excavation (Inert)	17 05 04					
	Steel / Mixed Metal	17 04 05					Recycled
	Mixed Construction	17 09 04					
	Plasterboard	17 08 02					Recycled
	Hazardous (Soil)	17 05 03*					
	TOTALS					**T:**	**% Recycled:**

Unexpected Contamination Log

Complete only if "unknown" contamination (fibres, odours, sheen) is discovered during brownfield groundworks.

Event No 1

- **Date Found:**
- **Location on Grid:**
- **Description:**
- **Action Taken:** Area Cordoned / Specialist Consultant Notified
- **Disposal Route:**

Event No 2

- **Date Found:**
- **Location on Grid:**
- **Description:**
- **Action Taken:** Area Cordoned / Specialist Consultant Notified
- **Disposal Route:**

Event No 3

- **Date Found:**
- **Location on Grid:**
- **Description:**
- **Action Taken:** Area Cordoned / Specialist Consultant Notified
- **Disposal Route:**

7.0 Declaration

The Principal Contractor (UK Engineering) confirms that all waste from this site will be managed in accordance with the Waste (England and Wales) Regulations 2011.

Signed (Site Manager):

Date: