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Appendix 3 - Environmental Management System (EMS) Summary

1. Introduction and Scope

Hereford Quarries has a mature Integrated Management System covering ISO9001, ISO14001 & ISO45001 audited by a UKAS certified body, Brish Assessment Bureau.

This Environment Management System (EMS) Summary has been prepared by Hereford Quarries Limited (HQL) to demonstrate compliance with Condition 1.1.1 of Environmental Permit EPR/KB3105LH. It describes the management framework in place to minimise pollution risk from the deposit-for-recovery operations at Upper Lyde Quarry.

This document has been adapted from the Hereford Quarries group Management System Document W010-10 in use at the adjacent Lugg Bridge Inert Recycling Facility. Both sites are operated by Hereford Quarries Ltd under the same corporate management structure and ISO 14001:2015 certified management framework (British Assessment Bureau, Certificate valid to February 2028).

This EMS covers the following activities at Upper Lyde Quarry:

- Phased deposit of inert construction and demolition waste into a former sand and gravel quarry void for the purposes of land recovery and agricultural restoration (R10 operation).
- Acceptance and verification of inert waste materials against the Waste Acceptance Criteria (WAC) set out in the Working Plan and associated documents.
- Environmental monitoring and reporting in accordance with the Monitoring Plan

2. Site Description and Phased Programme

Upper Lyde Quarry is a former sand and gravel extraction site located at Moreton Road, Upper Lyde, Herefordshire, HR4 8AF (NGR SO 489 451). The quarry lies within a rural agricultural landscape approximately 5 km north of Hereford city centre. The site is within the Wye/Lugg SSSI/SAC buffer zone and overlies a Secondary A sand and gravel aquifer.

The permitted variation (EPR/KB3105LH/V002) authorises the deposit of up to 320,000 m^3 of inert waste (existing Phase 0: 60,000 m^3 + extension Phases 1a, 1b, 2 and 3: 260,000 m^3) to restore the quarry to agricultural use. The restoration programme and phased working plan are detailed in the Working Plan (Version 2, September 2025) and cross-section drawings 13292-001-001-P01 and 13292-001-002-P01.

Phase	Approx. Volume (m^3)	Indicative Duration	Key Environmental Controls
Phase 0	60,000	Existing	WAC, visual inspection, monitoring PZ2–PZ5
Phase 1a	65,000	Year 1–2	WAC, berm installation, PZ6 monitoring
Phase 1b	65,000	Year 2–3	WAC, NW borehole installation, surface water
Phase 2	65,000	Year 3–4	WAC, full monitoring suite, stability

			review
Phase 3	65,000	Year 4–6	WAC, eastern boundary borehole, restoration

3. Legal and Regulatory Framework

Hereford Quarries Ltd operates under:

- Environmental Permit EPR/KB3105LH issued under the Environmental Permitting (England and Wales) Regulations 2016.
- Planning Permission CW/2001/0769/M (Herefordshire Council) – restoration to agricultural use.
- ISO 14001:2015 Environmental Management System certification (Wye Valley Group, certificate reference via British Assessment Bureau, valid to February 2028).
- Waste Framework Directive (Article 4) – waste hierarchy applied to all incoming waste.
- EA Inert Waste Guidance: Standards and Measures for the Deposit of Inert Waste on Land.

4. Management Structure and Responsibilities

Role	Person	Responsibility
Directors / Permit Holders	Andrew Howell & Sue Howell	Overall permit compliance; sign off Working Plan and EMS; EA liaison
Group Quality Manager	Gavin Pettigrew	EMS maintenance; regulatory submissions; audits; document control
Technically Competent Manager (TCM)	Andrew Howell (WAMITAB, Aug 2026) / Sue Howell (WAMITAB, 2027)	Day-to-day permit compliance; waste acceptance decisions; TCM attendance requirement (15% operational hours)
Site Operative / Driver	As designated	Load inspection, Duty of Care documentation, site diary entries

5. Operations and Waste Acceptance

5.1 Permitted Waste Types

The site accepts only inert wastes as listed in the Working Plan EWC code table. No hazardous, non-hazardous or putrescible wastes are accepted.

5.2 Waste Acceptance Criteria

All waste is accepted against the Waste Acceptance Criteria (WAC) detailed in Working Plan Section 4. The WAC includes:

- Pre-acceptance characterisation: Level 1 (basic), Level 2 (compliance), Level 3 (on-site verification) hierarchy.
- Chemical limits per Tables WRP1
- Minimum testing frequency: one sample per 1,000 m^3 or once per year per waste source, tested by UKAS-accredited laboratory.
- Gypsum management procedure: advisory notice to trade; rejection at gate; quarantine if identified during tipping

5.3 Load Checking Procedure

All vehicles report to site entrance. Operative checks Duty of Care documentation; conducts visual and olfactory inspection before and after tipping; records acceptance or rejection in site diary. Non-conforming waste is quarantined and removed within 7 working days. EA is notified of any hazardous waste discovery immediately.

6. Environmental Controls

6.1 Surface Water

Surface water management is controlled in accordance with the Surface Water Management Plan. Perimeter berms per phase prevent clean surface water ingress to the working void. A silt trap collects runoff; six-monthly UKAS analysis of discharge is required.

6.2 Groundwater

Groundwater is monitored via boreholes PZ2 (up-gradient), PZ3, PZ4, PZ5 (down-gradient) and PZ6 (Phase 1b south). New boreholes will be installed in the NW corner (Phase 1b) and eastern boundary (Phase 3) prior to phase commencement. Monitoring is governed by the Monitoring Plan.

6.3 Dust

Controlled in accordance with the Dust Management Plan (Part C4.3b). Site surfaces dampened during dry/windy periods. Visual dust monitoring daily; logged in site diary.

6.4 Noise

Controlled in accordance with the Noise Management Plan (Part C4.3b). Operations restricted to permitted hours (Monday–Friday 0700–1800, Saturday 0700–1300). Monitoring triggered by complaints.

6.5 Gas

No in-waste gas generation anticipated from compliant inert waste. Formal proposals set out in the In-Waste Gas Monitoring Plan.

7. Maintenance, Incidents and Complaints

7.1 Equipment Maintenance

Maintenance schedules held in the site office. Daily inspection checklists. Records retained for 6 years.

7.2 Accidents and Incidents

Contingency Plans (Fire, Flood, Spill, Equipment Failure) are detailed. All incidents recorded in the site diary. EA notification.

7.3 Complaints

All complaints responded to within 5 working days. Complaint form (Appendix B) used to record details. Investigation and response sent to complainant. EA notified via notification form. Records retained 6 years.

7.4 Security

Site secured by gates and fencing at all boundaries. Locked when not in operation. Site identification board at entrance showing permit number, operator, emergency contacts and opening hours.

8. Training

All staff receive induction training, refresher training, TCMs maintain WAMITAB continuing competence. Training records held at site office for duration of employment.

9. Records and Reporting

Record	Frequency	Retention / Action
Site diary (waste receipts, inspections, incidents)	Daily	Retained 6 years; available for EA inspection
Waste returns (tonnes/m^3 by EWC code)	Quarterly	Submitted to EA within 1 month of quarter end
Groundwater monitoring report	Annual	Submitted to EA within 3 months of monitoring year end
WAC analytical test results	Min. 1 per 1,000 m^3 per source	Retained at HQL office; copy to EA on request
EMS internal audit	Annual	Retained; triggers management system review

10. Annual Environmental Review

An annual environmental review of this EMS will be conducted by the Group Quality Manager and at least one Director. The review will consider:

- Permit compliance performance over the preceding 12 months.
- Groundwater and surface water monitoring data versus control/compliance limits.
- WAC analytical results and any non-conformances.
- Complaints received and resolved.
- Incidents and near misses.
- Changes to waste types accepted or operational methods.
- Updates to legislation, permit conditions or EA guidance.

The review will result in an updated action plan and, where required, a revision of this EMS Summary. EA will be notified of any material changes to operations.

11. Closure and Site Condition Report

The Site Condition Report (SCR) has been completed as part of the permit application. The SCR will be maintained throughout the life of the permit. The final restoration to agricultural use will be completed per planning conditions and as shown in the restoration plan.