



MAGNUM CONSTRUCTION SERVICES INC.

ENVIRONMENTAL MANAGEMENT PLAN (EMP)

Document Code: MCS-EN-P01 | **Revision:** 1.0 | **Effective Date:** November 1 2025

1. PURPOSE

To define the policies, objectives, and procedures governing environmental protection, pollution prevention, and sustainable construction practices at all **Magnum Construction Services Inc.** sites.

This plan ensures compliance with **ISO 14001**, **EPA NPDES**, **OSHA 29 CFR 1926**, and all applicable **state and local environmental regulations**, while aligning with client and community sustainability expectations.

2. SCOPE

Applies to all Magnum projects, subcontractors, suppliers, and temporary facilities engaged in:

- Concrete, masonry, and light-gauge steel framing (LGSF) works
 - Excavation, backfilling, and site grading
 - Temporary works (formwork, shoring, scaffolding)
 - Material storage and equipment fueling areas
 - Waste, stormwater, and emissions management
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3. REFERENCES

- **ISO 14001: Environmental Management Systems**
- **ISO 9001 / 45001** (Quality & Safety Integration)
- **EPA Clean Water Act §402 (NPDES Permitting)**
- **Resource Conservation & Recovery Act (RCRA)**
- **FDOT Specification Section 107 (Environmental Protection)**
- **MCS-HSE-Manual** – Health, Safety & Environment Procedures
- **MCS-OP-F12** – Utility Coordination & Permitting
- **MCS-QM-F12** – Turnover / Handover Dossiers

4. ENVIRONMENTAL POLICY STATEMENT

Magnum Construction Services Inc. is committed to protecting the environment through responsible construction practices, continuous improvement, and sustainable growth. We aim to:

- Prevent pollution and minimize waste generation.
 - Use energy, water, and materials efficiently.
 - Comply with or exceed environmental laws and client specifications.
 - Promote awareness and accountability among all personnel and partners.
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5. RESPONSIBILITIES

Role	Responsibility
Corporate EHS Director	Approves EMP policy and ensures alignment with corporate objectives.
Project Manager	Implements EMP on site and allocates resources for compliance.
Environmental Coordinator	Maintains registers, conducts audits, and liaises with regulators.
HSE Manager	Monitors field compliance, performs inspections, and oversees corrective actions.
Site Superintendents / Foremen	Enforce on-site controls (dust, noise, waste segregation, spill response).
Subcontractors / Vendors	Comply with all environmental clauses in contracts and permits.
All Employees	Report spills, leaks, or violations immediately and participate in training.

6. ENVIRONMENTAL ASPECT & IMPACT ASSESSMENT

All projects shall perform a documented **Aspect & Impact Register** identifying:

- **Activities** (e.g., concrete pouring, cutting, fueling)
 - **Impacts** (e.g., dust, runoff, noise, waste)
 - **Severity, Frequency, Control Measures**
- Registers are updated at each project phase and reviewed during audits.

7. KEY CONTROL PLANS

The EMP incorporates and cross-references the following sub-plans:

- **MCS-EN-P02** – Spill Prevention, Control & Countermeasure (SPCC) Plan
- **MCS-EN-P03** – Waste Management & Recycling Program
- **MCS-EN-P04** – Stormwater Pollution Prevention Plan (SWPPP)
- **MCS-EN-P05** – Air Quality / Dust Control Plan
- **MCS-EN-P06** – Noise & Vibration Monitoring Plan
- **MCS-EN-P07** – Sustainability Action Plan (LEED/BREEAM/Envision)

Each plan details objectives, monitoring procedures, and documentation requirements.

8. ENVIRONMENTAL OBJECTIVES & TARGETS

Objective	Target 2025–2026	Measurement Method
Reduce non-recyclable waste	≤ 10 % of total waste	Monthly waste log analysis
Improve diesel efficiency	+ 8 % fleet efficiency	Fuel consumption records
Eliminate reportable spills	0 incidents per quarter	SPCC log review
Increase recycled aggregate use	≥ 20 % in concrete mix designs	Material submittal tracking
Achieve LEED Silver or BREEAM Good rating	100 % of eligible projects	Sustainability Action Plan scorecard

9. TRAINING & AWARENESS

- All personnel receive **Environmental Induction Training** before mobilization.
 - Specialized modules: spill response, waste segregation, SWPPP inspections, fuel handling.
 - Training records are maintained under **MCS-EN-F09 (Environmental Training Records)**.
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10. MONITORING & INSPECTION

Activity	Frequency	Responsibility
Environmental Site Inspection	Weekly	HSE Manager
Waste Segregation Review	Monthly	Environmental Coordinator
Stormwater Discharge Inspection	Post-rain event > 0.25 in	Site Engineer
Air Quality & Dust Checks	Daily / as needed	Foreman / HSE
Noise Monitoring	Weekly / complaint-based	Environmental Team

11. COMMUNICATION & REPORTING

- Monthly Environmental Performance Reports to Corporate EHS.
 - Immediate notification of spills to Project Manager and Authorities (if reportable).
 - Environmental bulletins posted on site boards and in toolbox talks.
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12. RECORDS & DOCUMENT CONTROL

Record Type	Form Code	Retention Period	Custodian
Environmental Aspect & Impact Register	MCS-EN-F01	10 years	Environmental Coordinator
Weekly Inspection Checklists	MCS-EN-F02	5 years	HSE Manager
Training Records	MCS-EN-F09	10 years	HR / EHS Dept
Waste Logs & Recycling Reports	MCS-EN-F03	5 years	Document Controller
Spill Incident Reports	MCS-EN-F10	10 years	Environmental Coordinator

13. AUDIT & REVIEW

- Formal **internal audit** every 6 months.
- Third-party audits annually or per client requirement.
- Continuous improvement via Corrective Action Register (MCS-PG-F05).

14. APPROVALS

Reviewer	Department	Signature / Date	Comments
Project Manager	Operations		
HSE Manager	Safety & Environment		
Environmental Coordinator	EHS Dept		
Document Controller	Project Controls		



Reviewer	Department	Signature / Date	Comments
Executive Director	Corporate		
Client / Consultant	External		