TMC Environmental Management Plan (EMP) — V/Line Maintenance Contract (Victoria)

V/Line Maintenance Contract — Victoria

Document ID: **TMC-EMP-VLINE-VIC-v0.1**   Version: **0.1.2**   Status: **Draft**   Owner: **Greg Woodburn**   Company: **TMC**   Type: **Plan**   Review: **2026-08-19**

1. Purpose

To document environmental controls, responsibilities and monitoring for the V/Line Maintenance Contract works in Victoria in alignment with TMC IMS and V/Line contractual/regulatory requirements.

2. Policy & Commitments

This EMP is implemented to fulfil TMC's Environmental Management Policy (TMC-CP-002) and project-specific compliance obligations under the V/Line contract.

3. Scope & Applicability

V/Line Maintenance Contract — Victoria

4. Roles & Responsibilities

Roles & responsibilities

- **Project Manager:** overall responsibility for EMP implementation, resources and client liaison.
- **Site Supervisor / Foreman:** ensure day-to-day implementation of controls, supervision of crews and contractors, conduct pre-starts and inspections using Fulcrum App forms.
- **Environmental Representative / EHS Advisor:** lead monitoring, reporting, incident investigations and liaison with regulators/clients; prepare monthly reports for V/Line as contract requires.
- **Procurement Manager:** ensure materials and suppliers meet procurement sustainability requirements (TMC-CP-008.10; TMC-CP-008.14) and collect EPDs where requested by V/Line.
- **All personnel & contractors:** comply with EMP requirements, complete inductions, adhere to SWI/JSA controls (TMC-SWI-101) and report incidents via Fulcrum App.

5. Risks & Aspects

Environmental aspects & impacts (summary)

Potential aspects: vegetation removal, soil disturbance/erosion, water quality (sediment/contamination), hazardous substances (herbicides, fuels), waste generation, noise & vibration, dust, traffic emissions, embodied emissions from materials, biodiversity impacts. High-risk aspects must be identified in the Project Environmental Risk Assessment per TMC-CP-002.1 and recorded in this EMP.

6. Controls & Mitigation

Use the subsections below as applicable to your plan. Leave unused items empty or remove in render.

6.1 Site Establishment

- Define site boundary, access, temporary facilities and waste & recycling areas per V/Line site requirements.
- Erect sediment and erosion controls before works commence (silt fences, stabilised access).
- Establish fuel and chemical storage bunding and spill kits.

6.2 Soil, Erosion & Water Quality

- Manage stockpiles, minimise exposed areas and stage clearing.
- Temporary stabilisation (mulch, hydroseeding) and schedule final rehabilitation.
- Maintain sediment controls, intercept runoff, manage washdown areas and prevent pollutant discharge to stormwater.

Contract / Client

Client: V/Line (Victoria)

Contract No.: TBD

Primary contact:
Dowie James
TBD

Fulcrum / IMS Capture

- Pre-start / JSA: Link TBD
- Env. Inspection: Link TBD
- Material Register: Link TBD
- Incident Report: Link TBD
- Herbicide App Log: Link TBD

Key KPIs

Waste diversion: Set target per CP-004.9	% recycled content: Set target per CP-004.9
Monthly tCO2-e: Track monthly (operational + stationary)	Env. incidents: Zero harm target; report all incidents

References

- TMC-CP-004 (IMS Policy) & family
- TMC-CP-002 — Environmental Management Policy
- TMC-CP-002.1 — Environmental Risk & Impact Assessment Procedure
- TMC-CP-004.9 — Objectives, Targets & Performance Monitoring

6.3 Vegetation, Biodiversity & Heritage

- Implement vegetation protection zones and tree protection measures; avoid unnecessary clearing.
- Control weeds per TMC-CP-002.2 using approved chemicals and application controls; log herbicide use in Fulcrum.
- Stop works and notify the Project Manager if suspected heritage or cultural items are encountered.

6.4 Chemicals, Fuels & Hazardous Materials

- Store chemicals in bunded areas with secondary containment.
- Maintain SDS on site; use trained applicators.
- Follow TMC-CP-002.2 and record all herbicide use in the project register.

6.5 Waste Management & Circular Outcomes

- Apply the waste hierarchy: avoid, reduce, reuse, recycle, treat/dispose.
- Segregate waste streams; capture weighbridge dockets and invoices.
- Use TMC-TMP-002 for material registers and diversion tracking; prioritise reuse (e.g., mulch) and recycled content suppliers (TMC-CP-008.10; TMC-CP-008.14).

6.6 Materials Procurement & Embodied Emissions

- Request supplier declarations/EPDs where available; prefer recycled/low-carbon alternatives (TMC-CP-008.10; TMC-CP-008.14).
- Record embodied-carbon assumptions/values in procurement docs and project register.

6.7 Energy, Emissions & Plant Management

- Use fuel cards/telematics and plant-hour meters for energy capture.
- Implement idling reduction, route optimisation and scheduled maintenance.
- Prefer energy-efficient plant and electrification where practical.

6.8 Dust, Noise, Vibration & Traffic

- Implement dust suppression and restrict high-noise work to permitted hours; use mufflers/noise control measures.
- Notify stakeholders where works may generate exceedances.
- Manage vehicle movements via traffic management plans; minimise double handling and unnecessary transport.

6.9 Access, Permits & Stakeholder Notifications

- Confirm V/Line access permits and any site-specific approvals prior to works.
- Verify environmental permits and specific authority conditions are in place.
- Notify stakeholders and adjacent landowners as required by contract or regulation.

7. Monitoring, Measurement & KPIs

Use TMC-TMP-002 and Fulcrum App to collect: material register entries, waste diversion records, energy & fuel use (kWh, litres, plant hours), and site inspections with corrective actions.

- KPIs per TMC-CP-004.9: waste diversion rate, % recycled content, monthly tCO2-e, environmental incidents.
- Inspection frequency: daily pre-starts (TMC-SWI-101), weekly environmental inspections, monthly formal audits by EHS Advisor.

8. Reporting & Records

- Weekly site non-conformance & incident briefs to Project Manager.
- Monthly material & waste register and energy & emissions summary (aligned to TMC-TMP-002) for V/Line as required.
- Quarterly KPI summary per TMC-CP-004.9 and final close-out report.
- Evidence: invoices, weighbridge dockets, supplier declarations/EPDs, fuel card reports, telematics, inspection records.

9. Emergency Response & Incident Management

- Maintain spill kits and emergency materials on site; keep emergency contacts current.

- Incident response: stop work, make safe, notify Supervisor/EHS, complete incident form and investigation per IMS.
- Notify client/regulator of significant environmental incidents as required.

10. Training, Competency & Inductions

- All personnel complete site induction including EMP controls and responsibilities (TMC-SWI-101).
- Chemical applicators, plant operators and EHS personnel hold required licences; retain training records on site.
- Toolbox talks on waste segregation, spill response and erosion control.

11. Contractor & Supplier Management

- Pre-qualification ensures suppliers meet sustainability requirements (TMC-CP-008.10; TMC-CP-008.14).
- Include environmental obligations and reporting requirements in contractor agreements; reserve right to audit.
- Goods receipt verifies material evidence (EPDs, recycled content) per TMC-CP-008.1/008.5.

12. Non-conformance, Corrective Actions & Improvement

- Record non-conformances, implement corrective actions and track closure.
- Use CP-004.9 objectives and management review to drive continual improvement.

13. Auditing & Review

- Internal audits per TMC-CP-004.3 / IMS requirements.
- Quarterly management review of EMP performance, targets and corrective actions per TMC-CP-004.9.
- Update EMP when scope, risk or regulatory settings change.

14. Attachments & Templates

- Environmental Template / Material Register — TMC-TMP-002
- Pre-Start Site Assessment & JSA — TMC-SWI-101
- Supplier EPD / Recycled-Content Declaration templates (per TMC-CP-008.10 / 008.14)
- Sample Monthly Energy & Emissions Report format
- Waste diversion & weighbridge evidence checklist

15. Project/Contract-Specific Actions

- Complete Project Environmental Risk Assessment (per TMC-CP-002.1) and populate risk register with controls and residual ratings.
- Confirm site establishment plan and erosion & sediment control signage.
- Confirm supplier EPD/declaration requirements and preferred re-use/recycling processors.
- Populate initial material register (TMC-TMP-002) with known quantities and anticipated recycled content.

16. Approval

Prepared by: **Greg Woodburn — Commercial Manager** — Date: **2025-08-19**

Approved by: **Pending** — Approval date: **Pending**

Signatures: _____ (Prepared)   _____ (Approved)

```json
{
  "document_number": "TMC-EMP-VLINE-VIC-v0.1",
  "title": "TMC Environmental Management Plan (EMP) — V/Line Maintenance Contract (Victoria)",
  "version": "0.1.2",
  "approval_status": "Draft",
  "approval_date": "Pending",
  "approved_by": "Pending",
  "review_date": "2026-08-19",
  "company_context": "TMC",
  "document_type": "Plan",
  "owner": "Greg Woodburn",
  "template_url": "/public/docs/tmc/templates/tmc_plans.html",
  "ai_tags": "EMP, environmental, TMC, VLine, contract, Victoria, Fulcrum"
}
```