



Environmental Management Plan

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1.0 – Introduction

1.1 – Purpose

This Environmental Management Plan (EMP) has been developed as part of GSR Industrial Solutions Environmental Management System (EMS). The purpose of this EMP is to provide personnel and contractors direction in the management of environmental aspects and the associated environmental impacts in accordance with the Northern Territory and Federal legislation and regulatory conditions.

1.2 – Environmental Commitment

GSR Industrial Solutions, is committed to implementing best environmental practice and standards to protect and conserve the natural environment.

2.0 – Relevant Legislation

The relevant legislation to the EMP:

- Waste Management and Pollution Control Act
- Water Act
- Environmental Offences & Penalties Act
- Dangerous Goods Act
- Environmental Assessment Act
- Environment Protection and Biodiversity Conservation Act

2.1 – Relevant Company Documentation

- Environmental Management System
- Environmental Policy
- Emergency Spill Containment Procedure
- Emergency Evacuation Procedure
- Cyclone Procedure
- Emergency Management Plan
- Environmental Risk and Hazard Analysis Worksheets
- Noise Management Plan
- Consultation and Communications Plan
- House Keeping Procedure
- Training Matrix
- Chemical Manifests
- Maintenance Schedules
- Job Safety Environmental Assessments (JSEA's)
- Daily vehicle inspection sheets
- Incident, Accident and Near Miss Form

3.0 – Responsible Persons

The following company personnel are responsible for the implementation of the EMP:

3.1 – Managing Director – General Manager: Gavin Rahlf

Responsibilities –

This position is responsible for all actions of employees on and off site. Oversees the supervisors, operators and labourers. Implementation of EMS on and off site. Responsible for discussions with media in the event of a major incident.

3.2 – Director – Environmental and OHS Manager: Samantha Rahlf

Responsibilities –

Manages the Environmental and OHS Systems for GSR, ensures safety and environmental legislation is applied, and relevant policies, procedures, forms, and plans are updated and implemented accordingly. Provides training to staff.

3.3 – Supervisors

Responsibilities –

Oversees operators and labourers on and offsite. Assists in implementation of Environmental procedures with staff. Ensure that the day-to-day vehicle, plant, and operational tasks are dealt with in environmentally and safe manner.

Reporting to the Managers

3.4 – Operators

Drive and operate the heavy vehicles in accordance with GSR Industrial Solutions procedures. Reporting to the Supervisors, or Managers

3.5 – Labourers

Provides labouring duties of various nature on and off site. Reports to either the supervisor or the General Manager.

4.0 – Environmental Plan

Objectives	Target	Responsibility	Time Frame
Monitoring compliance of EMP	Maintain a high level of environmental compliance to both East Arm and Katherine	General Manager / Environmental & OHS Manager	Ongoing
Staff Training	Continue refresher training regularly to maintain staff awareness. Dangerous goods training to Supervisors and operators	Environmental & OHS Manager	Ongoing 30.3.18
Energy Minimisation	Ensuring purchases for lighting and equipment use minimal energy consumption	General Manager / Environmental & OHS Manager	Ongoing
Water Minimisation	Ensuring purchases for water appliances and equipment use minimal water consumption, regularly check for leaks.	General Manager / Environmental & OHS Manager/ Supervisor	Ongoing
Recycling and waste minimisation	Waste segregation remain in place and are adhered to.	General Manager / Environmental & OHS Manager/Supervisor	Ongoing
Noise & Air Pollution	Continued self-monitoring of noise produced from equipment and ensure the servicing times in residential areas whenever possible remain after 7am (note that sweepers are required to commence prior to 7am on main roads due to traffic restrictions and OHS). Air pollution through airborne dust on filter systems in vac trucks (start-up procedures) and dust suppressant spray bars are working correctly (Daily vehicle checklists).	General Manager / Environmental & OHS Manager / Operators	Ongoing
Weed Transfer and erosion	Inspection of vehicles to eliminate weed transfer. Ensure training of operators is maintained to ensure	Environmental & OHS Manager / Operators	Ongoing

	erosion hazards are eliminated.		
Emergency Spill Containment	Spill Kits located at both East Arm and Katherine with additional top up supplies maintained. Also all vehicles to maintain the vehicle spill kits in good working order (Daily vehicle checklists).	Environmental & OHS Manager/Supervisor/Operators	Ongoing
Maintain operational documentation for handling / transferring of listed wastes	Ensure all relevant procedures are written for handling and transferring of listed wastes	Environmental & OHS Manager	ongoing
EPA Licence	Monitor volumes of schedule 2 waste and record as required	Environmental & OHS Manager	ongoing
Power and Water bulk discharging agreement	Provide monthly Schedule E to trade waste	Environmental & OHS Manager	ongoing
Environmental Auditing	Undertake regular auditing for bench marking and continuous improvement	Environmental & OHS Manager	31/12/17

5.0 – Standard Operating Procedures

No.	Action/Task	Person Responsible
5.1 – Maintain EMP		
5.1.1	Ensure ongoing support for staff awareness through regular discussions and training.	General Manager / Environmental & OHS Manager
5.1.2	Regular viewing of operational activities against standard operating procedures to amend any procedure changes or to enforce to staff. Check to ensures that new procedures are correct and understood.	Environmental & OHS Manager
5.2 – Staff Training		
5.2.1	Continual training on operational procedures through in-house training and regular discussions.	General Manager / Environmental & OHS Manager
5.2.2	Refresher Dangerous goods handling training,	Managers, Supervisors and

	in-house – ongoing and externally commence training by 31.12.17	Operators
5.3 – Storage and Handling of Hazardous Substances		
5.3.1	Operational procedures maintained for transferring of waste products off site.	Environmental & OHS Manager
5.3.2	Develop and update written procedures for handling workshop lubricants and cleaners.	Environmental & OHS Manager
5.3.3	Update/refresher in-house spill response training	General Manager / Environmental & OHS Manager
5.4 – Waterway / Land Protection		
5.4.1	Ensure spill kits are regularly checked for use and replace any used items	All Staff
5.4.2	Additional reminders (refreshers) at meetings to ensure JSEAS are clearly understood and all considerations are given to waterway and land protections, ie; erosion control, dust considerations, spill control and noise pollution	All Staff
5.5 – Emergency Response		
5.5.1	Update Cyclone Procedures including emergency contact numbers, prior to cyclone season each year	Environmental & OHS Manager
5.6 – Resource Usage and Disposal		
5.6.1	Ensure conformity and adopt waste disposal best practice standards	General Manager / Environmental & OHS Manager
5.6.2	Monitor and update as required procedures for waste, water and energy minimisation	Environmental & OHS Manager

5.6.3	Ensure all waste disposal is provided by an appropriate licensed company / landfill	General Manager / Environmental & OHS Manager
5.6.4	Ensure that EPA licence is available online and in the front office	Environmental & OHS Manager
5.7 – Noise and Air Pollution		
5.7.1	Ensure noise is nominal from equipment and vehicles, not disturbing surrounding property or near by fauna on and off site	Operators / Supervisors
5.7.2	Ensure staff awareness of air pollution via dust and emissions from vehicles or equipment	Operators / Supervisors
5.8 – Social and Cultural		
5.8.1	Develop awareness through training procedures	Environmental & OHS Manager
5.8.2	Ensure that any areas that may have sensitivity or cultural significants is documented in the JSEA and any site specific documentation, ensure all permits and authorisations are completed prior to any work activity if located nearby any sacred site.	General Manager / Environmental & OHS Manager / Supervisors

6.0 – Measurement and Evaluation

Information and data received will be monitored and recorded.

Objectives and tasks will be monitored and updated accordingly.

Environmental incidents and near misses will be documented and investigated to ensure outcomes have been achieved and recorded.

An annual environmental audit will be undertaken to ensure continuous improvement.

7.0 – Review and Improvement

Review of EMP

30/09/18

Review operation of EMP and reset targets

30/09/18

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