

Environmental Management Procedure

The purpose of this procedure is to identify the environmental aspects of Shorelands operations, work activities & services in order to determine those which may have a significant impact on the environment. The relationship between environmental aspects and environmental impacts is one of 'cause and effect'.

An environmental aspect refers to an element of Shorelands operations, which can have a beneficial or adverse impact on the environment (such as a discharge, an emission, consumption or, reuse of a material, or noise). An environmental impact refers to the change that takes place in the environment as a result of the aspect (such as pollution or contamination of water, or the depletion of a natural resource).

The aspects most likely to occur through Shorelands operations are as follows:

| Activity | Environmental Aspect | Environmental Impact | Risk Rating |
|-------------------------|-------------------------------------|---------------------------|-------------|
| General Office | Paper waste /use | Deletion of natural | 3 |
| Operations | | resource | |
| General Office | Energy usage | Excessive usage depletion | 2 |
| Activities, i.e. | | of natural resource | |
| meetings, training, | Copy/Printer Toners wastage | Pollution, ground and | 3 |
| report writing, | | water contamination | |
| accounts, copying, | IT Items – discard of old computers | Pollution, ground | 3 |
| general administration | | contamination | |
| | Cleaning Chemicals | Pollution, water | 3 |
| | | contamination | |
| | General Rubbish | Pollution, water, ground | 3 |
| | | contamination | |
| | Mechanical – air conditioning | Pollution, air omissions, | 2 |
| | unclean filters | contamination, energy use | |
| Barge, Workshop | Chemical Waste | Pollution, Water & ground | 2 |
| Fabrication, yard & | | contamination | |
| Site Operations | | | |
| General Construction | Energy Usage | Excessive usage depletion | 2 |
| works | | of natural resource | |
| Welding / Fabricating | Waste Management | Pollution, ground & water | 2 |
| Site Cleaning | | contamination | |
| Plant & Equipment | Air Quality – emissions | Air Pollution | 2 |
| Use in Yard / on Site – | Water Quality | Pollution, water | 1 |
| servicing, repairs, | | contamination | |
| wash downs, general | Noise & Vibration | Pollution, air, ground | 2 |
| use | | contamination | |
| Barge Operations | Collection & transport of Asbestos | Pollution, Ground & Water | 1 |
| | containing materials | Contamination | |

Risk Rating = 1 - High 2 - Medium 3 - Low

The Risk Rating of the impact for each aspect is measured on a rating system from 1 to 3, with 3 "Negligible Impact", 2 being "Significant Impact" and 1 being the "High Impact". Considerations in determining the Risk Rating of the impacts included:

- What is the scale and/or significance of the impact?
- What is the probability and/or frequency of occurrence?
- What is the duration of the impact?
- Is there any potential regulatory or legal exposure?
- What would be the difficulty and/or cost of changing the impact?
- Is there any effect of change on other activities and processes?
- What are the concerns of the interested parties?



Objectives and Targets

Objectives and Targets are established by Management to ensure that the company meets customer and product or service requirements, legal and regulatory requirements, and continually improves its overall business performance. Environmental objectives are overall goals for environmental performance which are broken down into 4 separate categories in the Risk Register below which are

- Conservation of Plants and Wildlife
- 2. Conservation of Resources
- 3. Pollution Control
- 4. Records and Reporting

Environmental targets are descriptions of how environmental objectives will be achieved within a specific timeframe and are specific and measurable.

Objectives and targets for our IMS will be reviewed and revised at least once a year and should take into consideration:

- Relevant findings from environmental reviews and audits
- Applicable legal and other requirements identification of environmental aspects and associated impacts;
- Technological, financial, operational, resources and other company requirements
- The views of employees at tool box talks, interactions with sub contractors, clients and other interested parties

Objectives and targets will be achieved through a qualified, competent and committed workforce who know, understand and support the operations of our Management System and make it work effectively on all sites and at all levels within the company.

| Objectives | Targets |
|-----------------------------------|---|
| Reduce paper waste by 5% by | Measure paper usage from July to Dec 2022 for baseline data |
| 2025 | Monitor paper utilisation reduction quarterly from Jan 2023 |
| | Reduce paper waste by up to 5% per year from July 2023 |
| Monitor and document energy | Establish monitoring baseline data by Dec 2022 |
| (electricity) consumption by Dec | Reduce energy (electricity) consumption by 5% per year from 2023 with |
| 2022 | regard to unique activities and specific projects which may substantially |
| | increase energy utilisation (e.g. Workshop activities / demand fluctuation) |
| Recycle of Toner Cartridges | All toner cartridges to be recycled & logged when picking up stores |
| | orders from Officeworks |
| | |
| Reduction of air omissions via | Reduce air omissions through use of low emission fuels and effective |
| mechanical equipment and | maintenance of equipment in accordance with the manufacturers |
| machinery | recommendations |
| Assessment and plan for reduction | Identify and document all chemicals in use and their locations / labelling |
| in chemical use from 2023 | with SDSs available by June 2022 |
| | Reduce use of chemicals where identified as possible and reduce wastes |
| | as well as the use alternate products from 2023 |
| Manage ground & water | No water contamination incidents; all waste materials are collected, |
| contamination at all times | transported and managed in accordance with procedures, |
| | recycling/removal statistics to be maintained from July 2022 and |
| | monitored quarterly |



Environmental Management Program

| Targets | Action Plan | Measurements | Who | Carried Out By |
|--|---|--|--------------------|-------------------|
| Reduce paper waste by 5% per year | Recycle all paper and cardboard Copy / Print double sided | Measure amount of paper purchased and waste collected | QHSE Management | Annually |
| Reduce energy consumption by 5% per year | Ensure PC's / Air Conditioners are turned off at night. Ensure energy saver is utilised on photocopiers and other applicable equipment Ensure fluoro bulbs are used for lights and lights are turned off at night Consider use of LED lighting when upgrading / repairing / replacing light fittings Clean air conditioners at least annually | invoice of cleaning A/Cs | QHSE Management | Annually |
| All toner cartridges to be recycled | Ensure all toner cartridges are taking to recycling centre's only | Nil cartridges disposed of via general rubbish – drop off at Officeworks when picking up stores Retain receipts of collections if picked up | Management | Annually |
| Reduce air emissions | Use of Ad Blue fuel additive Ensure air filters are cleaned every three months | Purchase of ad blue fuels Purchase of air filters Maintenance records | Management | Quarterly |
| Reduce chemical wastes | Identify and ensure chemical alternatives are sourced first. Choose biodegradable when possible, | Monitoring of chemicals used by cleaners | Management | Quarterly |
| Reduction in general waste by recycling by 10% | Recycling bins to be implemented Plastic, glass, cardboard, metal Collection bins for recycling containers for community contributions | Identify waste to be measured / monitored Measure amount of waste annually Feedback from community groups from support / donations | Management | Quarterly |
| No water contamination | Ensure all equipment is washed down in a designated area, clear from stormwater drains, sewers Ensure all site materials are contained and use of silt socks / other drain protection options should be considered | No cleaning of equipment which leads to waterways | Site Manager | As Required |



2.4 Environmental Risk Register

Revision: January 2022

| The environmental risk management objectives | The environmental risk management actions: | When action will be taken | Action actually taken (sign) and recorded (indicate where): |
|--|---|---|---|
| 1. Conservation of Plant & Wildlife | | | |
| Protection of trees, plant and animals | Protect existing trees and plant at and around work sites from damage, do not remove flora without approval from the client and control weeds on the work site. | Whilst on Site, and/or prior to entering site. Site Induction training to incorporate | Site Manager Name: |
| Movement of pedestrians, materials, vehicles, plant and equipment minimise damage to the | Protect birds, fish and animals at and around the Site from harm and do not remove fauna from the Site without the written agreement of the client Minimize the use of participes and harbicides and around. | environmental risk management actions | Sign: |
| environment | Minimise the use of pesticides and herbicides and ensure minimal impact on the environment Use designated access routes for vehicular and plant access to and on the Site | Site inspections shall consider environmental risk register | Date: |
| | Park all vehicles and locate compounds in and confine plant and equipment use to designated areas Use designated access routes for all pedestrian, materials and | | Buto. |
| | equipment movement on/adjacent to the site | | |
| | ☐ The Contractor nominates the following additional actions: | | |
| | ☐ The Contractor identifies the following person who will be responsible for managing the above: | | |
| | Site Management / Supervisors | | |



| The environmental risk management objectives | The e | environmental risk management actions: | When action will be taken | Action actually taken (sign) and recorded (indicate where): |
|---|--------|--|--|---|
| 2. Conservation of Resources | | | | |
| Integrate energy efficient | | Use efficient materials, equipment and systems, and energy | Whilst on Site, and/or prior to | Site Manager |
| measures into design, including: | | efficiency, environment enhancement and waste/impact | entering site. | |
| Selecting systems and | | minimization as criteria in purchasing decisions | | Name: |
| equipment and fuels | | Maximise the use of materials from a sustainable source, that | Site Induction training to | |
| By minimizing | | are and/or can be, recycled | incorporate environmental | <u> </u> |
| unrecyclable materials and | | Use low energy usage construction, fittings and appliances | risk management actions | Sign: |
| waste materials in design | | (including heating and cooling and lighting) | Harrist and desired the second | |
| 3. In material selection | | Use low water demand fittings and appliances (dual flush | Use of sustainable sourced | |
| generally | | toilets, water conserving shower hoses and taps) | resources to be reviewed with | Data |
| Managa matariala wasal wadan | | Implement a strategy to reduce the quantity of waste, | suppliers by Mar 2023 | Date: |
| Manage materials used under the Contract to minimise: | | including ensuring packaging is minimized and recycled | Maintananae of machiners | |
| Resource use and waste | | Minimise the use of solvents, glues, paints and other | Maintenance of machinery, | |
| 2. Ozone depleting effects | | materials which release odours or vapour Comply with statutory requirements with heritage items, | equipment, vehicles and vessels to operate in the most | |
| 3. Detrimental effects on air, | | including obtaining any permits as required | efficient and sustainable way | |
| water and land quality | | Manage the conservation of all applicable physical attributes | emolent and sustainable way | |
| water and land quality | | of the site, particularly (list the attributes): | Workshop upgrade for more | |
| | ` | of the site, particularly (list the attributes). | efficient setup and safer | |
| Conservation of any heritage | | | power installations for | |
| items and other physical | | | operations | |
| attributes identified on the Site | οТ | The Contractor nominates the following additional actions: | opo.unoo | |
| | | 5 | | |
| | | | | |
| | υТ | The Contractor identifies the following person who will be | | |
| | | esponsible for managing the above: | | |
| | | | | |
| | Site N | Manager: | | |
| | | | | |



| The environmental risk management objectives | The environmental risk management actions: | When action will be taken | Action actually taken (sign) and recorded (indicate where): |
|--|---|---|---|
| 3. Pollution Control | | | |
| Vehicles and plant – minimize discharges and emissions, and damage to the environment | Do not use vehicles or plant/equipment producing excessive emissions and monitor emissions Use of Ad Blue fuels Undertake prestart checks on plant / equipment prior to use Maintain all plant and equipment and vehicles in accordance with the manufacturers specifications | Site Induction training to incorporate environmental risk management actions Checks of equipment carried | Site Manager Name: Sign: |
| | Do not bring vehicles or plant/equipment with hydraulic fluid, fuel or oil leaks to the site Wash down vehicles, plant and equipment only in controlled areas acceptable to the Principal Prevent and clean up any spills from transport vehicles The Contractor nominates the following additional actions: | out prior to use | Date: |
| | ☐ The Contractor nominates the following additional actions: ☐ The Contractor identifies the following person who will be responsible for managing the above: Site Manager: | | |
| Storm water is not polluted by activities and land/plants/grass are not adversely affected by discharges | Use only water based, non toxic paints where possible Use only water to clean paint brushes and rollers Control all runoff from cleaning activities and only discharge non toxic cleaning products Collect and dispose of any toxic materials for disposal by | Use of licensed service providers for removal of wastes Regular site inspections | Site Manager Name: |
| | contractor and maintain records of waste removed using ISO pods with labels indicating contents The Contractor nominates the following additional actions: | | Sign: Date: |
| | ☐ The Contractor identifies the following person who will be responsible for managing the above: Site Manager: | | |



| Soil erosion is controlled | ☐ Identify the existing drainage lines on the Site and protect them against siltation | Whilst on Site, and/or prior to entering site. | Site Manager |
|---|--|--|---------------------------------|
| ONLY WHERE APPLICABLE ON PROJECTS | □ Protect vulnerable and exposed surfaces and stockpiles against scouring □ Install the following sediment control devices prior to commencement of activities to monitor and ensure their effectiveness and remove them when no longer required: e.g. silt socks for drains, silt fences in areas of runoff, rock break rattle drains for vehicles to drive over when entering / leaving site, rock baskets / hay bales to control heavy volume runoff □ The Contractor nominates the following additional actions: | Site Induction training to incorporate environmental risk management actions | Name: Sign: Date: |
| | The Contractor identifies the following person who will be responsible for managing the above: Site Manager: | | |
| Soil contamination is not disturbed or released to the environment ONLY WHERE APPLICABLE ON | Establish, in consultation with the client, if contaminated soil is identified in any operations prior to commencing work at the Site and manage the soil present | Meeting with principal and key stakeholders prior to commencement of works on site | Site Manager Name: Sign: Date: |
| PROJECTS | The Contractor nominates the following additional actions: — Ensure meeting with Principal and Key Stakeholders prior to | | Site Manager |
| (Acid Sulphate Soils) ASS Acid sulphate soils or sediments contain iron sulfides and/or other sulfidic minerals that when exposed to air, these sulphides oxidise to | commencement on site. ☐ Ensure works cease in the event of soil contamination to investigate the contamination type ☐ If ASS is encountered a plan should be developed, in the interim, cease activity and cap ASS with clay with <5% porosity | | Name: Sign: Date: |
| produce sulphuric acid, hence the name acid sulphate soils. These materials are characterised by bright yellow or straw coloured | Also ensure any excavated material that could be possible ASS is not stockpiled in large amounts and/or for long periods The Contractor identifies the following person who will be | | |
| mottles of the mineral jarosite and often contain reddish coloured streaks. | The Contractor identifies the following person who will be responsible for managing the above: | | |
| | Site Manager: | | |



| CHORE CHOC | SHOPERADGE | SHORECAST (NT) | |
|------------|------------|-----------------|--|
| SHORELANDS | SHOKEBHKGE | allowerhal (mi) | |

| Charging and/or disposal of refrigerants and use of dangerous goods generally meet statutory requirements eg for licensing, use and disposal | Ensure procedures are used to meet statutory obligations for the charging and disposal of refrigerants and use of dangerous goods generally Use appropriately trained contractors and confirm the licences required Document goods identification, disposal and management, and retain documentation The Contractor nominates the following additional actions: Ensure meeting with client and Key Stakeholders prior to commencement on site. | Name: ining to onmental Sign: |
|--|--|-------------------------------|
| | ☐ The Contractor identifies the following person who will be responsible for managing the above: Site Manager and QHSE Management: | |
| Noise and vibration impact on neighbours, occupants and users of any nearby facility is minimised | Respond to EPA/Departmentally advice relating to noise limits and conditions Use equipment in good repair and condition Use noise suppression equipment (eg silencers on compressors) and acoustic barriers as required Do not expose workers, neighbours, visitors to excessive noise and cooperate and coordinate with any neighbouring facility operators Do not expose people or property to excessive vibrations Use noise monitoring devices regularly to document levels of activities e.g. grinding in workshop, alarm testing on barges, plant operating The Contractor nominates the following additional actions: Ensure PPE is located on site i.e. hearing protection for visitors Schedule noisy works out of hours if possible The Contractor identifies the following person who will be responsible for managing the above: Site Manager/QHSE Management: | Name: ining to onmental Sign: |



| Monitor and maintain Licence | | Ensure procedures are in place to avoid breaches of the | Whilst on Site, and/or prior to | Site Manager |
|-----------------------------------|----------|--|---------------------------------|--------------|
| conditions applicable to the | | Licence conditions (May apply to discharges from cooling | entering site. | <u></u> |
| facility so they are not breached | | water systems, condenser water systems, heating water | 3 | Name: |
| | | systems, cooking facilities, engine oil / fuel discharges, where | Site Induction training to | |
| | | water is treated with chemicals or where large sediment loads | incorporate environmental | Sign: |
| | | exist) | risk management actions | |
| | | Use licensed sub contractors for the removal of wastes from | | Date: |
| | | site | Fuel farm monitoring checks | |
| | | The Contractor nominates the following additional actions: | | |
| | | | | |
| | | The Contractor identifies the following person who will be | | |
| | | responsible for managing the above: | | |
| | | | | |
| | Sit | e Manager: | | |
| Air pollution from dust and | | Minimise areas of exposed earth and stockpiles – contain | Whilst on Site, and/or prior to | Site Manager |
| emissions is minimised whilst | | within bulker bags prior to movement | entering site. | |
| transporting bulk construction | | Cover and secure materials in open transport | | Name: |
| materials | | Use water sprays and/or other means to control dust | Site Induction training to | |
| | | Keep emissions within statutory or other required limits | incorporate environmental | |
| | | Minimise fire risks, and prevent and control fires | risk management actions | Sign: |
| | | | | |
| | | T 0 | | Date: |
| | | The Contractor nominates the following additional actions: | | |
| | <u> </u> | The Contractor identifies the following a green who will be | | |
| | | The Contractor identifies the following person who will be | | |
| | | responsible for managing the above: | | |
| | Q:+ | e Manager: | | |
| | | o Managor. | | |



| Disposal of weets including: | D. Chause all weets is sensidered through the three star assessed | Mhilat an Cita | Cita Managar |
|---|--|--|--------------|
| Disposal of waste including: | □ Ensure all waste is considered through the three step process | Whilst on Site. | Site Manager |
| Packaging Materials | of reuse / repurpose / recycle prior to waste disposal options | O'the Lead of the Control of the Control | Nicon |
| Replaced or redundant parts | ☐ Ensure appropriate procedures are used for the disposal of all | Site Induction training to | Name: |
| or materials | waste including identification and use of lawful places for | incorporate environmental | |
| Chemicals | disposal, and recording and reporting on the method and | risk management actions | |
| Oil and greases from | location of disposal and any non conformities | | Sign: |
| machinery and cooking and | | | |
| other processes | Either | | Date: |
| Paints and solvents including | Provide valid disposal certificates for each applicable item | | |
| the cleaning of equipment, | OR | | |
| tools and brushes | Provide company certification of appropriate disposal of the | | |
| Cleaning materials and rags | following (list the items): | | |
| Materials unsuitable for re- | ☐ The Contractor nominates the following additional actions: | | |
| use, including hazardous | | | |
| materials such as asbestos | ☐ The Contractor identifies the following person who will be | | |
| Other waste in accordance | responsible for managing the above: | | |
| with statutory requirements | | | |
| with statutory requirements | Site Manager: | | |
| Emergencies | Ensure emergency procedures are used to manage all | Whilst on Site. Site Induction | Site Manager |
| Incidents and spills are contained | reasonably foreseeable harm, including spills and other | training to incorporate | |
| and damage to the environment | environmental emergencies. Use C - C - C as described later | environmental risk | Name: |
| with emergencies is minimised and | in the plan | management actions | |
| rectified with appropriate and | Obtain the agreement of the Principal to procedures for | | |
| approved emergency response | handling oil chemicals, and other dangerous goods before | | Sign: |
| procedures | placing them on the Site, including secure storage | | |
| <u>'</u> | arrangements | | Date: |
| Re-instatement of damaged eco – | □ Document key contacts | | |
| systems and features to their | Re-instate and clean damaged areas and features including | | |
| previous condition | work areas | | |
| | ☐ The Contractor nominates the following additional actions: | | |
| | • | | |
| | ☐ The Contractor identifies the following person who will be | | |
| | responsible for managing the above: | | |
| | | | |
| | Site Manager: | | |



| Compliance Audit Compliance with environmental requirements and where breaches are detected, rectification of defect within the time period set in the audit process | | Inspect the Site monthly to ensure the appropriate environmental controls are in place and are operating effectively and to ensure all environmental management requirements are being met Cooperate with environmental audits by others Rectify any environmental breaches identified within the time frame specified in an audit or by the Principal Retain documentation of inspections and audits to be reviewed by management | Whilst on Site Inspections During third party audits Weekly managers meetings | Site Manager / QHSE Management Name: Sign: Date: |
|--|-----|--|---|--|
| | | The Contractor nominates the following additional actions: | | |
| | | The Contractor identifies the following person who will be responsible for managing the above: | | |
| | Sit | e Manager/QHSE Management: | | |



| The environmental risk management objectives | The environmental risk management actions: | When action will be taken | Action actually taken (sign) and recorded (indicate where): | |
|--|--|---|---|--|
| 4. Records and Reporting | | | | |
| Records Provide sufficient documentation to demonstrate appropriate environmental management including where applicable: • Approved environmental management plans • Training records • Valid disposal certification and/or company certification of appropriate disposal as applicable • Correspondence with regulators including notifications of non compliances/fines and evidence that the cause of non | Update the environmental management System where applicable Submit incident reports and notification to regulators where required Retain waste disposal certificates or certification of appropriate disposal to the principal where applicable Keep training and other records for inspection securely filed using an effective document retrieval system The Contractor nominates the following additional actions: The Contractor identifies the following person who will be responsible for managing the above: Site Manager/QHSE Management: | Whilst on Site. Site Induction training to incorporate environmental risk management actions Compliance coordinator and management team monitor and record in Action register | Site Manager / QHSE Manager Name: Sign: Date: | |
| compliances has been fixed with corrective action | | | | |
| Incident Reporting All environmental incidents are immediately reported to the supervisor or manager and as otherwise required | Immediately report all environmental incidents to the regulator and as otherwise required | Whilst on Site. Site Induction training to incorporate environmental risk management actions | Site Manager / QHSE Management Name: Sign: | |
| | | | Oigii. | |
| | | | Date: | |
| | ☐ The Contractor nominates the following additional actions: | | | |
| | The Contractor identifies the following person who will be responsible for managing the above: Site Manager/QHSE Management: | | | |

Environmental Contacts List

| Environmental Contacts Elst | | | |
|---|--------------|---|--|
| Area | Phone | Email | |
| General | 08 8924 4218 | ntepa@nt.gov.au | |
| Pollution Hotline (for reporting Urgent pollution incidents requiring urgent attention) | 1800 064 567 | | |
| Pollution Control | 08 8924 4218 | pollution@nt.gov.au | |
| Waste and Resource Recovery | 08 8924 4218 | waste @nt.gov.au | |
| Environmental Assessments | 08 8924 4218 | eia.ntepa@nt.gov.au | |
| Container Deposit Scheme | 1800 752 632 | containerdeposit @nt.gov.au | |
| Air Quality | 08 8924 4057 | pollution@nt.gov.au | |
| National Pollutant Inventory | 08 8924 4057 | npi.officer@nt.gov.au | |
| Environment Grants | 08 8924 4002 | environmentgrants@nt.gov.au | |
| Due Diligence Requests | 08 8924 4218 | Complete the Online Due Diligence Request form NOTE: Paper/Email requests are no longer accepted | |