


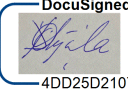
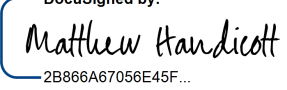
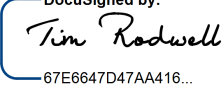


# 6BF RELINE PROJECT

## Dust Management Plan

Document No: 6BFR-PRJ-PLN-0034

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## Glossary of Terms and Acronyms

Term	Definition
5BF	No.5 Blast Furnace
6BF	No.6 Blast Furnace
Approval	Infrastructure Approval SSI-22545215
BlueScope	BlueScope Steel (AIS) Pty Ltd
BSL	BlueScope Steel Limited
BTEX	Benzene, Toluene, Ethylene, Xylene
CEMP	Construction Environment Management Plan
CSSI	Critical State Significant Infrastructure
DMP	Dust Management Plan
DPE	Department of Planning and Environment
EIS	No.6 Blast Furnace Reline Project Environment Impact Statement
EP&A Act	Environmental Planning and Assessment Act 1979
EPA	Environment Protection Agency
EPL	Environment Protection Licence
ha	Hectare
HSE	Health, Safety and Environment
Incident	An incident is an occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance.
JSEA	Job Safety and Environment Analysis
km	Kilometre
m	Metre
Material Harm	Material harm is harm that: a) Involves actual or potential harm to the health or safety of human beings or to the environment that is not trivial, or b) Results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practical measures to prevent, mitigate, or make good harm to the environment.
Non-compliance	A non-compliance is an occurrence or set of circumstances that breach the conditions of the Infrastructure Approval, Environment Protection Licence and/or any other legal requirement
Non-conformance	A non-conformance is a situation or event that does not comply with the safeguards required in this CEMP
PIRMP	Pollution Incident Response Management Plan
PKSW	Port Kembla Steelworks
POEO Act	Protection of the Environment Operations Act 1997
Project	No.6 Blast Furnace Reline Project
SSW	Safe System of Work
SWMS	Safe Work Method Statement
T&I SEPP	State Environmental Planning Policy (Transport and Infrastructure) 2021

# 1 Introduction

## 1.1 Background

BlueScope Steel (AIS) Pty Ltd (BlueScope) is one of Australia's leading manufacturers and with its parent company, BlueScope Steel Limited (BSL), is a global leader in finished and semi-finished steel products.

BlueScope's Port Kembla Steelworks (PKSW) currently operates as an integrated iron and steel plant utilising Blast Furnace ironmaking and Basic Oxygen Furnace steelmaking operating model. The plant is co-located with hot rolling mills for plate and coil and has adjacent manufacturing facilities for cold rolling, coated products, flat products and welded beams. The site is licenced and operates in accordance with Environment Protection Licence (EPL) 6092.

This project aims to return the No.6 Blast Furnace (6BF) to service through a reline process to allow operations to continue at PKSW following the end of the current No.5 Blast Furnace (5BF) campaign with minimal disruption to production levels.

On 3 May 2021 the Minister for Planning and Public Spaces declared the Port Kembla Steelworks Blast Furnace No. 6 Reline Upgrade Project (the project) as Critical State Significant Infrastructure (CSSI) in accordance with sections 5.12(4) and 5.13 of the Environmental Planning and Assessment Act, 1979 (EP&A Act).

On 20 September 2022 the Minister for Planning approved the project under section 5.19 of the EP&A Act subject to conditions specified in Infrastructure Approval SSI-22545215 (Approval).

## 1.2 Purpose and Scope of the Dust Management Plan

This Dust Management Plan (DMP) has been prepared as part of the Construction Environmental Management Plan (CEMP) to support BlueScope's Environmental Management System for the 6BF Reline Project (the project) and is applicable to the construction phase of the project.

The DMP describes the strategies and controls that will be implemented to mitigate or minimise the risks associated with the construction activities of the project which have the potential to cause dust emissions. The DMP has been developed in accordance with the Approval Conditions, No.6 Blast Furnace Reline Environment Impact Statement (EIS), and EPL 6092.

## 1.3 DMP Objectives

The objectives of the DMP are to:

- Identify construction activities which have the potential to result in dust emissions;
- Describe the measures and controls to be implemented to manage potential dust emissions;
- Ensure the measures and controls are appropriately managed to minimise the potential impact to the environment.

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## 2 Project Description

### 2.1 Project Overview

The project involves the reline of 6BF over a period of approximately 3 years to return it to service and commence ironmaking after 5BF ceases operation. Major construction work will be required within the blast furnace and surrounding facilities to deliver the project.

The reline of the furnace initially involves removal of remaining burden material and iron skull, followed by stripping of the staves, refractories and hearth from inside the shell. In places, repairs to the furnace shell will be required. Once stripped, installation of the new hearth, sidewall refractories and staves will be completed, together with repairs/replacement of the tuyeres, tapholes, furnace cooling systems and instrumentation. Significant work will also be required to prepare each of the 6BF ancillary systems for continuous operation across the length of the new campaign.

Following construction and equipment commissioning, 5BF will be ramped down and decommissioned. 6BF will then be hot-commissioned and ramped up for operation. 5BF and 6BF will not operate concurrently.

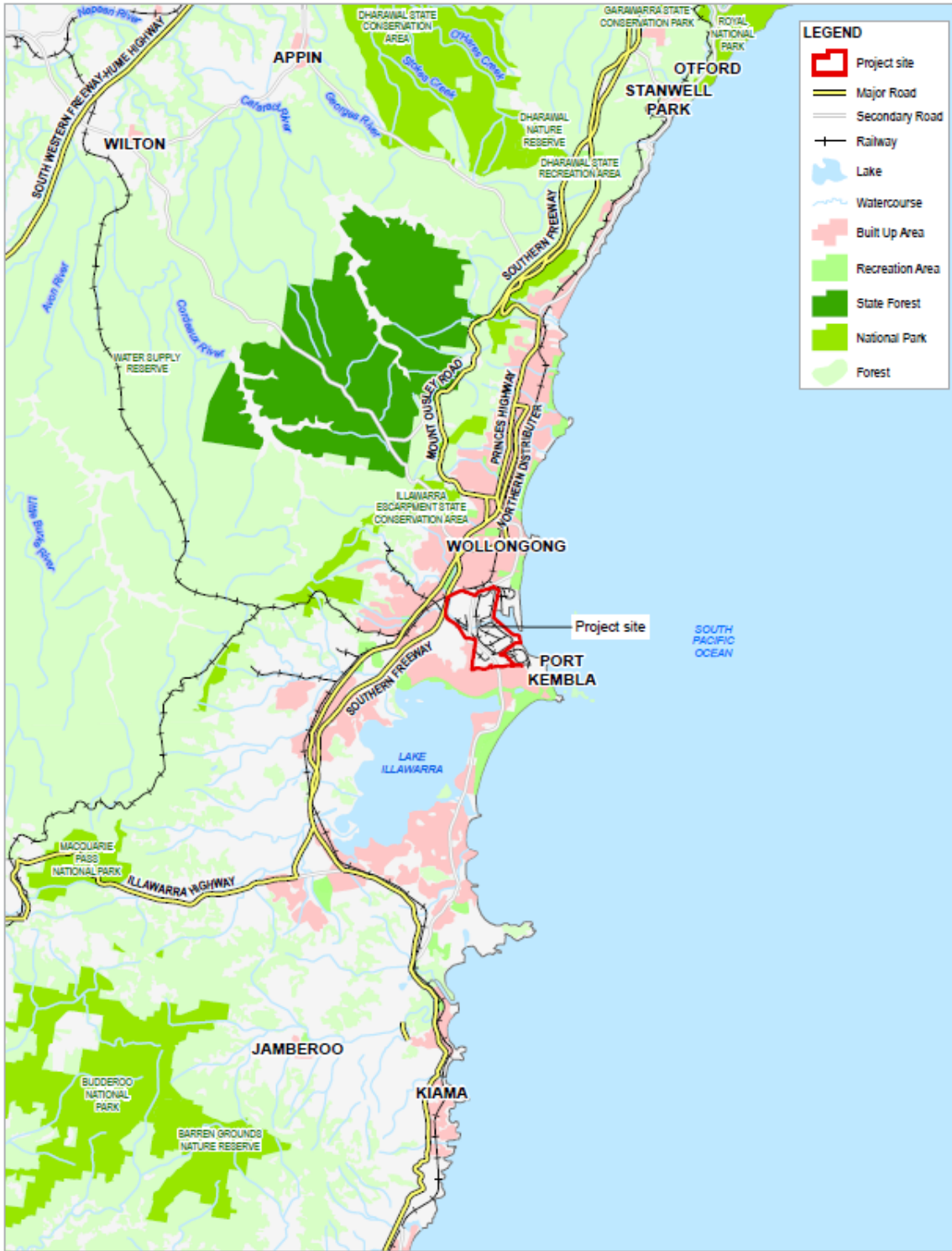
### 2.2 Site Location

The project is located in Port Kembla in the Wollongong Local Government area and Illawarra region of NSW as shown in Figure 1. Sydney is approximately 80 km to the north of Port Kembla, while the Wollongong Central Business District is approximately 2.5 km to the north, and Lake Illawarra is approximately 3 km to the south. Port Kembla is the main industrial centre of the Illawarra region.

The PKSW site is zoned IN3 – Heavy Industrial under State Environmental Planning Policy (Transport and Infrastructure) 2021 (T&I SEPP). PKSW and the adjacent Springhill Works together comprise the largest site in the Port Kembla industrial area, occupying approximately 750 ha, and are mostly built around the western and southern side of Port Kembla's Inner Harbour. The PKSW site is a multi-use industrial area which includes storage, manufacturing, port berths, private internal roads and offices. Access to PKSW is provided by Springhill Road, Five Islands Road and Flinders Street, and then private internal roads within PKSW.

The project site is an established (brown-field) site located within the No.2 Works at the PKSW. The land to which this project applies, including all connecting infrastructure and materials handling elements that require upgrades as part of the project, is within the southern section of the No.2 Works, and is part of the ironmaking facilities, located within Lot 1 DP 606434. Ancillary construction facilities will also be required and will be located within the broader PKSW site as shown on Figure 2.

The area surrounding the Port Kembla industrial area is primarily occupied by residential development. These urban areas provide small and large-scale retail outlets, community services (e.g. medical facilities, hospital, schools and sporting facilities) and commercial facilities (e.g. banking and post office). The closest urban developments to PKSW are the suburbs of Cringila, Berkeley, Lake Heights, Warrawong and Port Kembla to the south, Unanderra, Cobblers Hill, Mount St Thomas, Coniston and Figtree to the north and west. The urban areas of Cringila are located adjacent to the No.1 Works and No.2 Works areas and are the nearest to the project site, being approximately 1.2 km to the southwest as shown on Figure 3.



<p>Paper Size ISO A4 0 1.5 3 4.5 6 Kilometres</p> <p>Map Projection: Transverse Mercator Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 56</p>		<p>BlueScope Steel Ltd No.6 Blast Furnace Reline and Operations Environmental Impact Statement</p>	<p>Project No. 12541101 Revision No. 0 Date 21/10/2021</p>
<p>Regional Location</p>			<p>FIGURE 2-1</p>
<p><small>G:\2021\2541101\GIS\Map\2541101_05_01.apr12541101_05001_RegionalLocality_0</small></p>			<p><small>Data source: Commonwealth of Australia (Geoscience Australia) 250k Topographic Data Series 3, 2006 Created by: Invision</small></p>

Figure 1: Project Regional Location. Extracted from *Blast Furnace No.6 Reline Project Environmental Impact Statement* (p. 5) GHD, 2022.

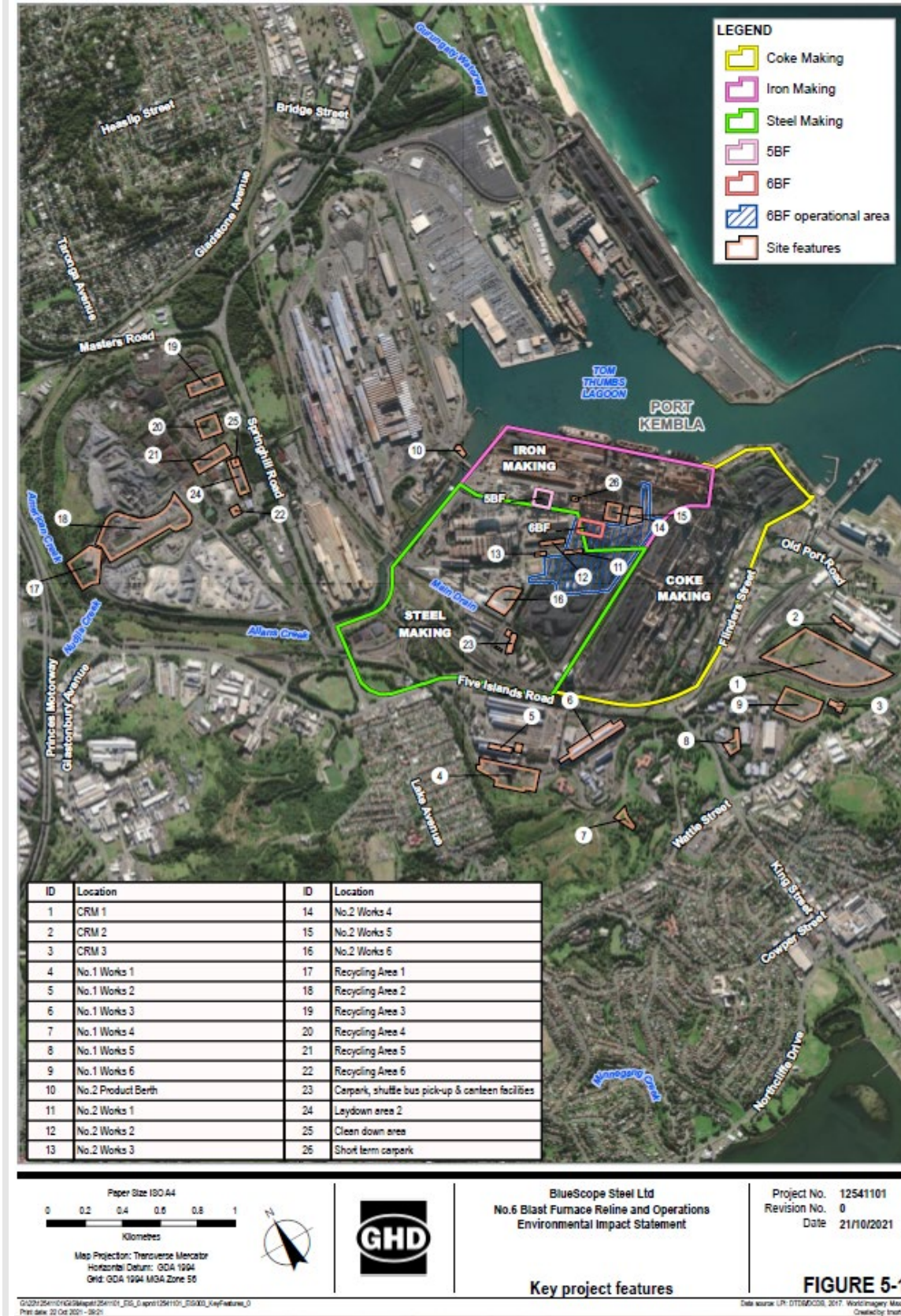


Figure 2: Project site and laydown areas. Extracted from *Blast Furnace No.6 Reline Project Environmental Impact Statement* (p. 28) GHD, 2022.



Figure 5.3

**Figure 3: Location of Sensitive Receivers. Extracted from *Blast Furnace No.6 Reline Project Air Quality Impact Assessment* (p. 19) GHD, 2022.**



## 2.3 Scope of Work

Construction activities will involve the following tasks:

- Removal of the remaining burden materials
- Removal of the iron skull
- Removal of worn carbon block refractories in the hearth
- Removal of worn refractories in the remainder of the vessel
- Demolition of other equipment including:
  - Cooling staves which protect the blast furnace shell
  - Hot Blast Main refractory lining, including the expansion joints
  - Clarifier tank and associated equipment where required
- Repairs to the blast furnace shell where required
- Installation of a new clarifier tank and associated equipment
- Installation of the new hearth, sidewall refractories and staves
- Repair/replacement of tuyeres, tapholes and instrumentation
- Repair, maintenance and/or upgrade of ancillary equipment including:
  - Furnace cooling systems
  - Hot Blast system including the stoves, with the addition of a stove Waste Gas Heat Recovery (WGHR) system
  - Gas system, with addition of a Top Gas Recovery Turbine (TRT)
  - Furnace Top, including the charging equipment, bleeder valves and outrigger crane
  - Casthouse Floors and associated equipment
  - Stockhouse (raw materials feed system)
  - Automation and power systems
  - Services
- Installation of a new slag granulation system
- Installation of primary ferrous feed system.

The scope of work for the construction phase of the project includes the following works that have the potential to result in dust emissions:

- Excavation;
- Surface grading;
- Blasting;
- Piling; and
- Stockpiling.

## 3 Environmental Management System

### 3.1 Environmental Management Documents

This DMP forms part of the CEMP for the project. BlueScope's existing environmental management procedures and systems apply to all project activities. These include but are not limited to the procedures and systems listed in Table 1.

**Table 1 - BlueScope Environmental Management Procedures and Systems**

Document/System	Reference	Purpose
BlueScope's HSEC Policy	<a href="#">BSL-MS-P-01</a>	Identifies BlueScope's commitment to Health, Safety, Environment, and Community
ASP Manufacturing Management Systems Manual	<a href="#">MM.BZ-MS-M-01-01</a>	Describes at the highest level, those systems and processes used by BlueScope Australian Steel Products Manufacturing Businesses to effectively manage its operations
BlueScope's Safety, Environment, and Quality system	<a href="#">SEQ System</a>	A management system for Safety, Environment and Quality that provides access to the SEQ procedures, tools and other resources.
HSE Risk Management	<a href="#">BSL-HSE-SD-03-01</a>	Sets the requirements and mechanisms for implementing the BlueScope Risk Management Standard within a Health, Safety and Environmental (HSE) context.
HSE Incident Management	<a href="#">BSL-HSE-SD-12-01</a>	Sets the requirements for incident management across BlueScope in order to meet the expectations of the BlueScope Health, Safety & Environment (HSE) Management System
Management of Excavated Soil at PKSW	<a href="#">MA-ENV-02-02</a>	Outlines how excavated soil, arising during construction, demolition or maintenance activity, is managed to minimise harm to human health and the environment
Fugitive Dust Management System	<a href="#">MA-ENV-02-02</a>	Describes the system used to monitor and report both fugitive dust emissions and the conditions contributing to the dust emissions from the BlueScope PKSW site
Vegetation Management Plan	<a href="#">MA-ENV-02-08</a>	Identifies the requirements of tree planting, pruning, removal, weed management and disposal
Management of Threatened Species, The Green and Golden Bell Frog, <i>Litoria Aurea</i>	<a href="#">MA-ENV-03-03</a>	Identifies the actions and requirements necessary to promote the development and maintenance of existing sub-populations of the Green and Gold Bell Frogs on the PKSW site.
Stockpile Environment Management Plan	<a href="#">MA-ENV-03-08</a>	Details the how stockpiles and fugitive dust emissions are to be managed at BlueScope's PKSW site
Biodiversity Management Plan	<a href="#">MA-ENV-03-09</a>	Assists with the identification, protection and management of native vegetation and fauna habitats across BlueScope's Illawarra sites
Unexpected Finds Procedure	<a href="#">MA-ENV-03-11</a>	Provides guidance for the management of any unexpected finds including contamination and heritage items on BlueScope Steel licenced sites in New South Wales
Spill Response Guidelines	<a href="#">MA-ENV-11-02</a>	Outlines the necessary steps to be taken by Plant Departments to prepare for or respond to spills reported within their area.
Pollution Incident Response Management Plan for NSW Licenced Premises	<a href="#">MA-ENV-11-04</a>	Details the procedure for the notification of pollution incidents that result in or have the potential to cause material harm to the environment in BlueScope licenced sites across NSW

Document/System	Reference	Purpose
Contact Procedure for Complaints and Enquiries	<a href="#">SP-ENV-07-03</a>	Define actions to be followed by the Environment Department personnel, External Affairs personnel and the PKSW Switchboard in relation to handling complaints and enquiries
Management of Waste Material	<a href="#">DIV-AR-RS-01</a>	Describes the system for waste management within PKSW and for movement of waste materials to and from the PKSW site
SAP Learning Centre	<a href="#">SAP Learning Centre</a>	A repository of training and support materials to assist in the use of the BlueScope SAP systems and processes
Job Safety and Environment Analyses	<a href="#">F.BZ-SEQ-S-03-02.02</a>	A tool used to identify task related hazards and controls based on the sequential job steps or unplanned changes to the job
Safe System of Work	<a href="#">BZ-OHS-S-03-01</a>	Processes that may include procedures, risk assessments, permits, inductions and training, that collectively form a system for undertaking work in a safe manner
Safe Work Method Statement	<a href="#">F.BZ-SEQ-S-09-10.21</a>	A tool used to identify task related hazards and controls based on the sequential job steps or unplanned changes to the job

Specific Environment Management Documents relevant to the construction phases of the project are required in accordance with the conditions of Approval and commitments made in the EIS. Some of the requirements are adequately covered by existing BlueScope procedures, while others have been prepared specifically for the project as outlined in Table 2.

**Table 2: Specific Environment Management Plans**

6BFR Management Plan	Requirement	Reference
Construction Environmental Management Plan	Approval Condition C2	6BFR-PRJ-PLN-0008
Erosion and Sediment Control Plan	Approval Condition C3, EIS Commitment	6BFR-PRJ-PLN-0033 (Appendix 2)
Construction Traffic Management Plan	Approval Conditions B41, C3, EIS Commitment	6BFR-PRJ-PLN-0020
Unexpected Contamination Procedure	Approval Conditions B47, C3	MA-ENV-03-11
Noise and Vibration Management Measures	Approval Condition C3, EIS Commitment	6BFR-PRJ-PLN-0032
Community Consultation and Complaints Handling	Approval Condition C3	Section 3 6BFR-PRJ-PLN-0004 SP-ENV-07-03
Soil and Water Management Plan	EIS Commitment	6BFR-PRJ-PLN-0033
Dust Management Plan	EIS Commitment	6BFR-PRJ-PLN-0034
6BF Reline Environmental Induction	EIS Commitment	6BF-GEN-PRE-0031
6BF Emergency Response Plan	EIS Commitment	MA-BF6-EMG-01
6BFR Risk Management Plan	Nil	6BFR-PRJ-PLN-0011

### 3.2 Environmental Management Structure and Responsibilities

All personnel working on the 6BF Reline project must comply with regulatory and BlueScope requirements and must conduct work in a proper and efficient manner to protect the environment.

The Project Director takes primary responsibility for environmental issues and compliance with the CEMP and all associated documents including the DMP. Environmental advisors within the BlueScope Environment Department will support the Project Director and will assist managers and supervisors fulfill their accountabilities.

Each position in the 6BF Reline management team has defined responsibilities for the management of environmental aspects and issues as defined in the CEMP. Environmental management responsibilities for contractor managers and supervisors working on the project are also defined in the CEMP.

With respect to dust management, the environmental responsibilities for the key management and supervision roles include (but are not limited to) those listed in Table 3.

**Table 3: Key Management Roles and Environmental Responsibilities**

Role	Responsibilities
Project Director	<ul style="list-style-type: none"> <li>Develop a culture in which environmental effects are considered at all times.</li> </ul>
Project Manager	<ul style="list-style-type: none"> <li>Develop a culture in which environmental effects are considered at all times.</li> <li>Participate in environmental audits and communication sessions.</li> <li>Provide resources to ensure that actions to address environmental issues are implemented.</li> <li>Ensure that adequate environmental evaluations are made of all modification designs and plant and equipment purchases.</li> <li>Ensure that systems are in place to inform employees, contractors and visitors of pertinent environmental issues.</li> <li>Ensure that meetings are held to discuss environmental issues.</li> <li>Ensure that desktop exercises are carried out to test the effectiveness of Emergency Response Plans.</li> <li>Ensure that there is responsible management of contractors on the site.</li> <li>Ensure that competent and trained, responsible engineers and supervisors exist to manage contractors on the works.</li> </ul>
Engineering Manager	<ul style="list-style-type: none"> <li>Ensure that management systems are in place and understood to give environmentally safe design and operation.</li> <li>Ensure that environmental hazards and risks are identified for all plant and major equipment.</li> <li>Ensure that designs are fit for purpose and that adequate consideration has been given to environmental issues.</li> <li>Ensure that all engineering staff are inducted and have received the required training to enable adequate environmental management of site.</li> <li>Promote the involvement of all employees in improving environmental management.</li> <li>Conduct environmental audits to evaluate compliance with environmental management plans and systems as per the audit/inspection schedule.</li> <li>Participate in environment meetings.</li> <li>Identify hazards and risks through analysis and inspection, including personnel, plant and environment.</li> <li>Focus on the elimination of environmentally hazardous acts, and rectify unsafe conditions quickly.</li> <li>Conduct workplace inspections.</li> </ul>
Construction Manager	<ul style="list-style-type: none"> <li>Contribute to a positive environmental culture by example.</li> <li>Ensure that management systems are in place and understood to provide an environmentally safe construction workplace.</li> <li>Ensure that environmental hazards and risks are identified on all construction activities.</li> <li>Arrange construction pre-start hazard-analysis studies for all "at risk" operations.</li> <li>Participate in environment meetings.</li> <li>Participate in environmental inspections and serious incident investigations.</li> <li>Participate in environmental audits.</li> <li>Focus on the elimination of environmentally unsafe acts, and rectify unsafe conditions quickly.</li> <li>Ensure that there is responsible management of contractors on the site.</li> <li>Ensure that competent and trained, responsible engineers and supervisors exist to manage contractors on the works.</li> </ul>

Role	Responsibilities
	<ul style="list-style-type: none"> <li>Participate in a pre-start environmental review with the vendors'/Contractor's management to facilitate an Environmental Bridging Document to remove any uncertainty/differences between this CEMP and the vendors'/Contractor's CEMP.</li> </ul>
HSE Manager	<ul style="list-style-type: none"> <li>Contribute to a positive environmental culture by example.</li> <li>Ensure that meetings are held to discuss environmental issues.</li> <li>Ensure that management systems are in place for environmentally safe execution of the project.</li> <li>Report HSEC matters and performance to BlueScope.</li> <li>Coordinate and participate in drills and exercises to test the effectiveness of Emergency Response Plans.</li> <li>Review training needs for all employees and provide training as required.</li> <li>Ensure that proper training is provided to enable an environmentally safe execution of the project.</li> <li>Ensure that environmental hazards and risks are identified and control measures introduced on all project activities.</li> </ul>
Commissioning Manager	<ul style="list-style-type: none"> <li>Contribute to a positive environmental culture by example.</li> <li>Ensure that management systems are in place and understood to provide an environmentally safe workplace.</li> <li>Ensure that environmental hazards and risks are identified on all commissioning activities.</li> <li>Arrange commissioning pre-start hazard-analysis studies for all "at risk" operations.</li> <li>Participate in environment meetings.</li> <li>Participate in environmental inspections and serious incident investigations.</li> <li>Participate in environmental audits.</li> <li>Focus on the elimination of environmentally unsafe acts, and rectify unsafe conditions quickly.</li> <li>Ensure that there is responsible management of contractors on the site.</li> <li>Ensure that competent and trained, responsible engineers and supervisors exist to manage contractors on the works.</li> </ul>
Area Managers	<ul style="list-style-type: none"> <li>Ensure that environmental hazards and risks are identified in design stage.</li> <li>Ensure that management systems are followed to give environmentally safe designs.</li> <li>Ensure self and others' environmental awareness at all times.</li> <li>Be aware of environmental hazards and risks in the plant area of activity.</li> <li>Promote a culture in which environmental effects are considered at all times.</li> <li>Define and document environmentally safe systems of work and, through consultation, ensure they are applied.</li> <li>Ensure that all incidents are thoroughly investigated to avoid re-occurrence.</li> <li>Ensure that there is responsible management of contractors on the site.</li> <li>Ensure that competent and trained, responsible engineers and supervisors exist to manage contractors on the works.</li> <li>Ensure that contractors and employees understand any environmental hazards associated with performing tasks.</li> <li>Promote the involvement of all employees in improving environmental awareness.</li> <li>Focus on the elimination of environmentally unsafe acts and rectify unsafe conditions quickly.</li> <li>Conduct environmental inspections, monitor behaviour on site and participate in audits.</li> <li>Notify incidents and address environmentally unsafe acts and conditions in accordance with the project's Environment Management System, and follow-up to ensure corrective and preventative actions are timely and effective.</li> <li>By actions, demonstrate to contractors at all times the commitment of the 6BF Reline team to the highest standards of environmental management.</li> <li>Participate in accident/incident investigations.</li> </ul>

Role	Responsibilities
Environment Advisor	<ul style="list-style-type: none"> <li>Promote a culture in which environmental effects are considered at all times.</li> <li>Liaise with regulatory bodies and other external agencies.</li> <li>Promote the involvement of all employees in improving environmental compliance.</li> <li>Focus on the elimination of environmentally hazardous acts, and rectify unsafe conditions quickly.</li> <li>Ensure self and others' environmental awareness at all times.</li> <li>Participate in accident/incident investigations.</li> <li>Report to the 6BF Reline Management team on environmental issues</li> <li>Ensure that all incidents are thoroughly investigated to identify root causes.</li> </ul>
Construction Co-ordinators	<ul style="list-style-type: none"> <li>Compliance with the requirements of the project's Environmental Management System.</li> <li>Ensuring environmental aspects are adequately addressed and mitigated during Job Safety and Environment Analyses and execution of Works.</li> <li>Initiation and completion of environmental audits and inspections.</li> <li>Reporting all incidents, accidents and non-conformance in accordance with the CEMP.</li> <li>Participation in relevant investigations of accidents, incidents and non-conformance.</li> <li>Demonstrating to the vendor / contractor workforce, by their actions, commitment to the highest standards of environmental management.</li> <li>Provision of appropriate resources to control / mitigate environmental hazards.</li> <li>Attendance at team's environment meetings.</li> <li>Pro-active addressing of environmental issues, looking for improvements and looking after themselves and the environment.</li> <li>Ensuring hazards and controls are addressed and implemented prior to and during the execution of Works</li> </ul>

### 3.3 Legal and Compliance Requirements

Key legislative requirements relevant to dust management for the project includes:

- Environmental Planning and Assessment Act 1979 (EP&A Act)
- Protection of the Environment Operations Act 1997 (POEO Act)
- Environment Protection Licence 6092
- Infrastructure Approval SSI-22545215.

## 4 Environmental Risk Management

Potential sources of dust emissions during the construction phase include:

- Emissions from surface disturbing work;
- Stockpiling activities;
- Blasting;
- Emissions from the movement of plant and equipment over sealed and unsealed surfaces; and
- Wind-generated emissions from stockpiles and disturbed surfaces.

### 4.1 Fugitive Dust and Stockpile Management

BlueScope has an existing Fugitive Dust Management Plan (MA-ENV-02-02) and Stockpile Management Plan (MA-ENV-03-08). These plans details the how stockpiles and fugitive dust emissions are to be managed at PKSW and are applicable to the project at all times. This includes but is not limited to:

- detailing the approval process required to create new stockpiles;
- outlining the control framework for mitigating dust emissions for both new and established stockpiles;
- identifying long-term strategies for high risk stockpiles;
- highlighting all possible fugitive dust emission sources and their respective suppressive measures; and
- all relevant statutory and regulatory requirements.

### 4.2 Environmental Monitoring Program

Throughout the project construction phase, monitoring will be undertaken as specified in Table 4 to determine the effectiveness of environmental controls.

**Table 4: Monitoring during Construction**

Aspect	Parameter	Location	Methodology	Frequency	Responsibility	Evidence
Air	Dust emissions	All areas	Visual Assessment Ambient Monitoring Stations	During activities with dust potential or during high winds	All personnel	CCTV Ambient Station data (OSI PI) Incidents/Self-reports

BlueScope has ambient monitoring stations to the north and south of the PKSW. These stations continuously monitor particulate matter levels with real time data available at [piinthesky.gtsgroup.com.au](http://piinthesky.gtsgroup.com.au), which is accessible through BlueScope's public website (<https://www.bluescopeillawarra.com.au/>).

In addition to the monitoring listed in Table 4, weather forecasts will be monitored to determine if high winds might affect site activities. Daily notifications from the Early Warning Network will be emailed to relevant personnel including the Construction Manager, HSE Manager, and Environment Advisor.

### 4.3 Environmental Inspections and Audits

All personnel working on the project will be encouraged to undertake environmental audits of activities as they are performed and record the audits and any findings in BlueScope's incident and risk management database.

Inspections of environmental controls will be conducted as a monthly audit by the construction manager (or a nominated delegate) to confirm the controls are in place and working effectively, and to identify improvement

opportunities. The inspections may constitute a general assessment of control conditions, targeted inspections, adequacy assessment of controls, or activity observations.

**Table 5: Inspections during Construction**

Environmental Controls	Aspect	Potential Impact	Performance Criteria	Frequency
Street Sweepers	Drag-out	Dust emissions	No material on roadways Appropriate service schedule	Monthly
Water carts	Emissions from stockpiles or during excavation	Dust emissions	No emissions from stockpiles or during excavation activities	Monthly
Truck/Wheel Wash	Drag-out	Dust emissions	No material on roadways Appropriate maintenance schedule	Monthly

Observations of all inspections and audits will be documented in an incident and risk management system. Any corrective actions identified must be assigned to a suitable person with an appropriate timeframe for completion.

## 4.4 Corrective and Preventative Actions

A non-conformance is a situation or event that does not comply with the safeguards required in this DMP. All personnel working on the project may raise any non-conformances or improvement opportunities as they are identified.

A non-compliance is an occurrence or set of circumstances that breach the conditions of the Infrastructure Approval, Environment Protection Licence and/or any other legal requirement. In accordance with Condition C11 of the infrastructure Approval, non-compliances will be reported to the DPE via the Major Projects website within seven days of becoming aware of any non-compliance. Non-compliances to the EPL will be reported to the EPA.

Non-conformances and non-compliances will be recorded in BlueScope's incident and risk management database and managed in accordance with BlueScope's HSE Incident Management procedure (BSL-HSE-SD-12-01). Corrective and preventative actions addressing any non-conformances or non-compliances will be assigned to relevant personnel with an appropriate completion date. These actions will be recorded in the incident and risk management database entry.

## 4.5 Environmental Incident and Emergency Response

An incident is an occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance. Material harm is harm that:

- (a) Involves actual or potential harm to the health or safety of human beings or to the environment that is not trivial, or
- (b) Results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practical measures to prevent, mitigate, or make good harm to the environment).

A project-specific 6BFR Emergency Response Plan (MA-6BF-EMG-01) has been developed to ensure that effective systems and appropriately trained personnel are in place to detect and respond to an emergency. This plan identifies potential emergency scenarios and their safety and environmental impacts, describes the response process, specifies personnel who are responsible and others that must be notified, and details the locations of emergency assembly areas, emergency shower and eyewash stations, spill kits, and fire suppression equipment.

All incidents must be reported and managed in accordance with BlueScope's HSE Incident Management procedure (BSL-HSE-SD-12-01) and documented in an incident and risk management system. Corrective and preventative actions relating to incidents will be included in the incident report. Contractor incident reports must be provided to





the plant or work owner (as identified in the relevant JSEA/SSW/SWMS) such that they can be documented in the project's incident and risk management system.

A BlueScope Environment Officer is available 24 hours 7 days per week on 1800 640 252 or (02) 4275 7522. The Environment Officer will receive and respond to incident reports, provide clean up assistance where required, and will notify appropriate government agencies, such as the EPA and DPE in accordance with relevant statutory requirements. In accordance with Condition C10 of the Infrastructure Approval, incidents relating to the project will be reported to the DPE via the Major Projects website.

BlueScope has an existing Pollution Incident Response Management Plan (PIRMP) for the Port Kembla Steelworks as required by the Protection of the Environment Operations Act 1997 (POEO Act). The existing PIRMP (MA-ENV-11-04) applies to all activities on the PKSW premises, including those associated with the project.

## Appendix 1. Environmental Management Measures

The Environmental Management Measures identified in the EIS relevant to the DMP are detailed in Table 6.

**Table 6: DMP Environmental Management Measures during Construction**

Environmental Management Measure	Phase	Timing/ Frequency	Location	Responsibility	Source/ Reference	Evidence
A dust management plan for use during construction activities will be prepared prior to works commencing.	Construction	Prior to Construction	In areas with potential for dust generation	Environment Advisor	EIS Condition B11 Dust Management Plan	Approved Dust Management Plan
Existing ambient air quality stations will be used to monitor dust generating construction activities.	Construction	At all times	North Gate and Scouts Hall AQMSs	Environment Advisor	EIS Dust Management Plan	Monitor Pro Ambient Monitoring Data Portal
During demolition of any contaminated areas, extra measures will be implemented to prevent dust leaving the work area.	Construction	At all times	Areas identified as contaminated	Work/Plant Owner Construction Manager	EIS Condition B12	JSEA/SWMS Audits/Site Inspections
Dust generating activities will be ceased or reduced if a visual plume of dust leaves the site or monitoring shows excessive particulate levels.	Construction	During high wind events	In areas with potential for dust generation	All personnel Construction Manager	EIS Dust Management Plan	Incident/Self Reports
Blasting or heavy demolition which may lead to excessive dust will only be undertaken in conditions not likely to disperse dust towards sensitive receptors.	Construction	During Construction	Furnace	Construction Manager Project Manager	EIS Dust Management Plan	JSEA/SWS/SWMS
Operations conducted in areas with low moisture contact material will be suspended during high-speed wind events or water sprays will be used.	Construction	During high wind events	In areas with potential for dust generation	Work/Plant Owner Construction Manager	EIS Dust Management Plan	Incident/Self Reports
Stockpile sizes will be kept to a minimum, where practical.	Construction	At all times	Laydown areas Slag Handling Area	All personnel Construction Manager	EIS Dust Management Plan	JSEA/SWS/SWMS Audits/Site Inspections

Environmental Management Measure	Phase	Timing/ Frequency	Location	Responsibility	Source/ Reference	Evidence
Limit cleared areas of land and stockpiles, and clear only when necessary to reduce fugitive dust emissions.	Construction	At all times	Laydown areas	Construction Manager	EIS CEMP	JSEA/SWS/SWMS
Control on-site traffic by following specific routes for haulage and access in accordance with signposted speeds.	Construction	At all times	Traffic routes	Logistics Manager	EIS Construction Traffic Management Plan	Audits/Site Inspections
All trucks hauling material will be covered on the way to the site and should maintain a reasonable amount of vertical space between the top of the load and top of the trailer.	Construction	At all times	Traffic routes	Logistics Manager	EIS Construction Traffic Management Plan	Audits/Site Inspections