)	OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA Doc. No.		0000-ZA-E-09071				
PERDAMAN	PROJECT: PROJECT CERES	Unit	0000			
SAIPEM clough		D.A. Code	D-COM	sh.1 of	18	
SCJV———	AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1 2		
		1.011				

CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN APPENDIX J AIR QUALITY MANAGEMENT PROTOCOL

F	Rev.	Date	Description	Prepared	Checked	Approved
2	2	14/9/2023	REISSUED FOR USE			

)	OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
(*	PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No.	0000-ZA-E-090		9071	
PERDAMAN	PROJECT: PROJECT CERES	Unit	0000			
SAIPEM clough		D.A. Code	D-COM	sh.2 of 1	8	
AIR QUALITY MANAGEMENT PROTOCOL Rev.	Rev	0 1	2			
		11041				

Revision control sheet

2	14/9/2023	REISSUED FOR USE
1	28/6/2023	Updated to include dust monitoring
0	26/4/2023	ISSUED FOR USE
В	21/9/2022	ISSUED FOR INTERNAL REVEIW
А	24/11/2021	ISSUED FOR INTERNAL REVEIW
Revision No	Date	Revision Details



	OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
	PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No. 0000-ZA-E-09071				
	PROJECT: PROJECT CERES	Unit	0000			
4.4		D.A. Code	D-COM s		sh.3 of 18	
-	AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	
	Rev.					

Table Of Contents

1	EXE	CUTIVE SUMMARY	4
2	ABB	REVATIONS AND DEFINITIONS	5
3	KEY	EXECUTION PLANS & PROCEDURES	7
4	PRO	DJECT DETAILS	7
	4.1	Plant overview	8
	4.2	Client information	10
	4.1	Scope & Context	10
	4.2	Purpose of this Plan	10
	4.3	Plan Review	11
	4.4	Responsibility	12
5	ENV	IRONMENTAL APPROVALS	13
	5.1	Part IV Approval	13
6	MIT	IGATION MEASURES	13
	6.1	Management Protocols	13



OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No.	0000-ZA-E-09071			
PROJECT: PROJECT CERES	Unit	0000			
D.A. Code		D-COM s		sh.4 of 18	
AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	
	IVG A.				

1 EXECUTIVE SUMMARY

This Air Quality Management Protocol (AQMP) has been prepared by the CONTRACTOR to comply with the requirement of the Ministerial Statement No. 180 (MS 1180), and the management controls specific to the CONTRACTOR construction methodology that will be applied by the CONTRACTOR during the construction program relating to Project CERES.

The AQMP describes the Scope of Work, addresses all requirements related to management of dust by the Project, and establishes the strategies, methods, processes which will be adopted by CONTRACTOR to provide certainties in delivering successful execution of the project while adhering to environmental objectives for the Project.

The Air Quality Management Protocol presents in detail:

- Address relevant conditions of the Project Approvals and confirmed management plans.
- Provide employees and SUBCONTRACTORS with a clear and concise description
 of their responsibilities in relation to controls to minimise environmental impacts from
 hydrocarbons and hazardous substances for the duration of the construction works.
- Consider all relevant legislation, standards and technical guidelines when developing preventative controls.
- Detail the CONTRACTOR monitoring requirements during construction.

The AQMP is prepared and maintained by the CONTRACTOR Environmental Team or designated delegate. It is a "live" Protocol and as such may be reviewed periodically and revised as needed.

This AQMP must be read and implemented in conjunction with the most recent and approved version of the CONTRACTOR CEMP it is appended to. It aims to provide the construction team with clear actions, management, and monitoring responsibilities under these plans during the construction program.





OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No.	0000-ZA-E-09071			
PROJECT: PROJECT CERES	Unit	0000			
	D.A. Code	D-COM sh.5		า.5 of <i>1</i>	18
AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	
Nev.					

2 ABBREVATIONS AND DEFINITIONS

DEFINITIONS	
CONTRACT	Contract agreement entered between OWNER and CONTRACTOR.
CONTRACTOR	SAIPEM CLOUGH JOINT VENTURE
DEVELOPMENT ENVELOPE	The Project Development Envelope to which the Part IV of the EP Act and EPBC Act assessments relate shown in Figure 2-1 of the ERD
DISTURBANCE AREA	The area within the Development Envelope (DE) covered by the urea production plant that will be cleared for plant construction and laydown areas
ENVIRONMENTAL LEAD	Includes the Environmental Representative and Lead for the CONTRACTOR team, who are responsible for carrying out the responsibilities as they relate to the CONTRACTOR.
ENVIRONMENTAL ADVISOR	Includes the Environmental Advisor/s for the CONTRACTOR team, who are responsible for carrying out the responsibilities as they relate to the CONTRACTOR and as directed by the Environmental Lead and or the HSSE Deputy.
PERDAMAN ENVIRONMENTAL REPRESENTATIVE	The Environmental Representative includes Perdaman's ENVIRONMENT AND HERITAGE MANAGER, the ENVIRONMENTAL COORDINATOR or their delegated representative that represents Perdaman and is accountable for Perdaman responsibilities during construction.
ENVIRONMENT AND HERITAGE MANAGER	The ENVIRONMENT AND HERITAGE MANAGER is Perdaman's site based Environmental Representative who has the authority and responsibility for managing the implementation, compliance, and effectiveness of the Project's environmental and heritage requirements.
GROUND DISTURBANCE PERMIT	A GROUND DISTURBANCE PERMIT (GDP) is a permit issued to a SUBCONTRACTOR, by the CONTRACTOR, enabling Works within defined battery limits to manage any impacts on native vegetation, heritage, or other environmentally sensitive values. It includes the key approval commitments and obligations obtained by or issued to the CONTRACTOR or OWNER by regulators, tenure holders and other third parties.
INFRASTRUCTURE ZONE	East West Service Corridor is the common-user corridor disturbed / cleared by WA government and the Project footprint in Dampier Port
LICENSOR	HALDOR TOPSOE for AMMONIA, SAIPEM for UREA, THYSSENKRUP for GRANULATION
MAY	Indicates that the SUBCONTRACTOR is permitted to do something, or the CONTRACTOR reserves the right to dosomething according to the text.
MUST	Indicates a requirement or action that must be followed to comply with legal framework for the Project and environmental approval conditions.





	OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
	PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No. 0000-ZA-E-09071				
_	PROJECT: PROJECT CERES	Unit	0000			
*		D.A. Code	D-COM	1 sl	h.6 of	18
-	AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	
		1101.				

NO-GO ZONES	NO-GO ZONES are defined areas within the Project's footprint which ARE NOT ENTERED AND OR DISTURBED by Project activities. These areas are established to protect environmental, cultural heritage, infrastructure and other values from damage or other detrimental impacts.
OWNER / PROPONENT	PERDAMAN CHEMICALS AND FERTILIZERS PTY LTD.
PROJECT	BURRUP UREA PROJECT - PROJECT CERES (Plant to be supplied, erected and commissioned by CONTRACTOR under the CONTRACT).
PROJECT PERSONNEL	PROJECT PERSONNEL includes all persons working on the Project directly employed by PERDAMAN, or its CONTRACTORS.
PROJECT WORK SITES	The Project work sites include Area C, Area F, the causeway linking these two areas, the conveyor corridor to the port and the port storage and loading infrastructure. It can also include any other Project relevant location under operational control of PERDAMAN.
REGISTRAR	REGISTRAR of ABORIGINAL HERITAGE SITES, Western Australia Department of Planning, Lands and Heritage.
SHALL	Indicates that a statement is mandatory.
SHOULD	Indicates a recommendation.
SUBCONTRACTOR	Any supplier, consultant or CONTRACTOR engaged by the CONTRACTOR to carry out specific activities or tasks on behalf of the CONTRACTOR during construction (i.e., Dewatering Sub-CONTRACTOR, Clearing Sub-CONTRACTOR etc).
UREA PLANT DEVELOPMENT ENVELOPE (UPDE)	Comprises Site C, Site F and the causeway as shown in Figure 4.1.
VENDOR	Entity that provides equipment and related services part of the WORK according to purchase order
WILL	Indicates a requirement or action that Perdaman or the CONTRACTOR will be implementing during the Project activities to ensure compliance with legal framework for the Project and environmental approval conditions.
WORKS	All work which the CONTRACTOR and or its SUBCONTRACTORS are required to perform to comply withits obligations under the CONTRACT.
ABBREVIATIONS	
AQMP	Air Quality Management Protocol
BMIEA	Burrup & Maitland Industrial Estates Agreements
BSIA	Burrup Strategic Industrial Area
CAR	Compliance Assessment Report
CEMP	Construction Environmental Management Plan
DE	Development Envelope
DCCEEW	The Federal Department of Climate Change, Environment, Energy and Water.
DPLH	Department of Planning, Lands and Heritage



OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No.	0000-ZA-E-0907			
PROJECT: PROJECT CERES	Unit	0000			
	D.A. Code	D-COM sh.7		h.7 of 18	
AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	
	Nev.				

EMS	Environmental Management System
EP Act	Environmental Protection Act 1986
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999
EPC	Engineering Procurement Construction
ERD	Perdaman Urea Project, Environmental Review Document. Assessment No.2184(WA) – 2018/8383 (Commonwealth)
GDA	Ground Disturbing Activities
GDP	Ground Disturbance Permit
MAC	Murujuga Aboriginal Corporation
MS 1180	Ministerial Statement No. 1180
NAC	Ngarluma Aboriginal Corporation
NYFL	Ngarluma and Yindjibarndi Foundation Limited
OEMP	Operational Environmental Management Plan
PUP	Perdaman Urea Project

3 KEY EXECUTION PLANS & PROCEDURES

Following are the list of key execution plan documents serving as guidelines for respective execution domains.

Document No.	Document Title
0000-ZA-E-09071	Construction Environmental Management Plan

4 PROJECT DETAILS

OWNER is focused on the development of a urea fertilizer plant, called as Project CERES with a nominal daily production capacity of 6,200 tons, equating to 2.140 million tons per annum at Sites C and F in the Burrup Strategic Industrial Area in Western Australia.

The plant will be located approximately 10km from Dampier and 20km North-West of Karratha on the North-West coastline of Western Australia.





OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No. 0000-ZA-E-09071				
PROJECT: PROJECT CERES	Unit 0000				
	D.A. Code	D-COM sh.8 of 1		18	
AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	
IXEV.					



Figure (4.0) Location map

4.1 Plant overview

The Plant areas include Site C, Site F, the causeway, conveyor, and Port storage and loading Facilities. Figure (4.1) Project site areas below illustrates the project site areas.

Site C is relatively undeveloped except for some access roads. The site is situated adjacent to the Yara Ammonia Plant to its East, to the North are steep rocky outcrops and to the South the saline coastal flat area. Drainage from the site flows in a southerly direction towards the saline coastal flat between Hearson Cove and King Bay.

Once developed Site C will include the main process plant, associated infrastructure and a 75,000-tonne urea storage shed.



OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No. 0000-ZA-E-09071				
PROJECT: PROJECT CERES	Unit	0000			
	D.A. Code	D-COM sh.9 of 1		18	
AIR QUALITY MANAGEMENT PROTOCOL	JALITY MANAGEMENT PROTOCOL Rev.		1	2	



Fig (4.1) Project site areas

Site F is situated to the South of Site C, on the opposite side of the saline coastal flat. It includes Hearson Cove Road and a significant proportion of previously disturbed area. Drainage from this area flows primarily North into the saline coastal flat.

During the construction phase of the Project, this area will be used as laydown for equipment and modules. The East portion of Site F will be developed to include the Perdaman Urea Plant's administration, maintenance, storage and warehousing facilities.

The causeway, which links Sites C and F, extends across the saline coastal flat. The causeway will be built above the flat with regular culverts to ensure the structure does not impede natural drainage or tidal action, whilst providing continuous access between Sites C and F.

The 3.2km conveyor will transport urea from the storage shed at Site C to the Port loading shed. From Site C the conveyor will be constructed on relatively undisturbed land, to the West of the existing Water Corp pipeline corridor. It will extend North, connecting to the existing Burrup East West Services Corridor (EWSC).

Saipem Classification - General Use



OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No. 0000-ZA-E-09071				
PROJECT: PROJECT CERES	Unit	0000			
	D.A. Code	D-COM sh.10 o		.10 of	18
AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	

The EWSC is a bitumen sealed corridor that already includes the Yara Pilbara Fertilizer's ammonia pipeline which extends to the bulk liquids jetty adjacent to the Project's Port facilities. The Project's conveyor will be positioned within this corridor and where possible use existing culverts to avoid roads and other infrastructure. Where the conveyor crosses Woodside's Haul Road the road will be built up to allow the conveyor to pass under.

The Port Area includes a 75,000-tonne storage shed, conveyor and ship loader. The storage shed will be located within an existing quarry and the ship loader on a wharf which will be constructed by others engaged by Pilbara Port Authority (PPA). The Conveyor will be situated on cleared area associated with the new wharf and quarry, and a 0.2-hectare section of undisturbed rocky ground between these two areas.

4.2 Client information

Perdaman Chemicals and Fertilizers Pty Ltd., ABN 31121263 741of Level 17, 58 Mounts Bay Road, Perth, Western Australia.

Perdaman is a multinational group based in Western Australia with a long-standing track record in involvement within a diverse range of markets. Perdaman Industries (Chemicals & Fertilizers division) has current focus on the production of urea, the most commonly traded nitrogenous fertilizer.

The plant named as project CERES will be located at Karratha, Western Australia. The planned capacity of the Urea plant is two million ton per annum with most of the urea produced by the plant will be exported.

4.1 Scope & Context

This Air Quality Management Protocol (AQSMP) has been developed as an appendix to the CONTRACTOR Construction Environmental Management Plan (CEMP).

The AQMP describes the Scope of Work, addresses all requirements related to management of dust by the Project, and establishes the strategies, methods, processes which will be adopted by CONTRACTOR to provide certainties in delivering successful execution of the project while adhering to environmental objectives for the Project.

4.2 Purpose of this Plan



OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No. 0000-ZA-E-09071				
PROJECT: PROJECT CERES	Unit	0000			
	D.A. Code	D-COM sh.11		n.11 of	18
AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	

This protocol has been developed to guide activities associated with the construction of the Perdaman Urea Project such that impacts from dust at the Project is minimised and ensure compliance with the conditions set out in the Project Approvals and Contract.

The Air Quality Management Protocol presents in detail:

- Address relevant conditions of the Project Approvals and confirmed management plans.
- Provide employees and SUBCONTRACTORS with a clear and concise description
 of their responsibilities in relation to controls to minimise environmental impacts from
 hydrocarbons and hazardous substances for the duration of the construction works.
- Consider all relevant legislation, standards and technical guidelines when developing preventative controls.
- Detail the CONTRACTOR monitoring requirements during construction.

The AQMP is prepared and maintained by the CONTRACTOR Environmental Team or designated delegate. It is a "live" Protocol and as such may be reviewed periodically and revised as needed.

This AQMP must be read and implemented in conjunction with the most recent and approved version of the CONTRACTOR CEMP it is appended to. It aims to provide the construction team with clear actions, management, and monitoring responsibilities under these plans during the construction program.

Mitigation measures related to the construction team are presented within this protocol.

4.3 Plan Review

This protocol can be reviewed as updated independently of the CEMP and should be treated as an Appendix to the CEMP, particularly where there are changes to the construction methodology affecting dust management, and if there are changes to management or monitoring required where management actions and targets are not achieved.

This protocol will be reviewed and amended any time, particularly upon identification of additional risks during the plant design and construction planning stage.

Any review to this protocol will be submitted to Perdaman for review and approval. The Perdaman Environment & Heritage Manager may direct the CONTRACTOR to further amend the protocol where necessary.



OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No. 0000-ZA-E-09071				
- PROJECT: PROJECT CERES	Unit	0000			
	D.A. Code	D-COM sh.12 of		18	
AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	
	INCV.				

4.4 Responsibility

The mitigation measures presented in Section 6 below are the responsibility of the CONTRACTOR and their SUBCONTRACTORS to carry out and implement during Project construction, unless otherwise indicated within the specific control or measure. Further details on the CONTRACTOR role specific authorities and responsibilities can be sighted in section 9 of the CEMP. Appendix D of the CEMP includes Project Organisation Charts.

Any SUBCONTRACTOR engaged to carry out works on behalf of the CONTRACTOR during the construction works must comply with the CEMP and the management measures stated within this protocol.

In certain circumstances a SUBCONTRACTOR working under the CONTRACTOR will be primarily responsible for the implementation of management measures, as indicated per the work packages they will be executing on the Project and will be doing so under the CONTRACTOR authority and oversight.

Any SUBCONTRACTOR carrying out works on behalf of the CONTRACTOR will be required to complete the applicable inductions and training as well as participate in prestarts and toolbox talks (refer to the CEMP for detail) as well as applicable risk analysis for work activities. The responsibilities of SUBCONTRACTORS are further detailed within the CEMP. The CONTRACTOR will monitor the environmental performance of the SUBCONTRACTORS against the implementation of applicable management measures during environmental inspections and during SUBCONTRACTOR audits (refer to the CEMP for detail).

Where a conditional requirement or a management measure is the responsibility of the OWNER, the measure or conditional requirement (MS No. 1180) will state this.

It is important to note that overall accountability lies with the OWNER for ensuring the conditions of the EPBC 2018/8383 Approval and MS 1180 are met throughout the Project phases, including construction. CONTRACTOR are responsible for carrying out certain management and controls to ensure compliance with these approvals. The OWNER is accountable for reporting to regulatory bodies. CONTRACTOR must ensure reporting of data and information is provided to the OWNER to ensure reporting can be carried out within the applicable timeframes.

SUBCONTRACTORS must provide all relevant information and data requested by CONTRACTOR to the Environmental Lead within the specified timeframe to ensure regulatory reporting, incident investigations and corrective actions can be implemented.



OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job No.: PN835057				
PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No. 0000-ZA-E-09071				
PROJECT: PROJECT CERES	Unit	0000			
	D.A. Code	D-COM sh.13 of		18	
AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0	1	2	
	IVEV.				

5 ENVIRONMENTAL APPROVALS

5.1 Part IV Approval

The Project has approval under the *Environmental Protection Act 1986* to carry out the implementation of the Project as per the conditions within the Ministerial Statement 1180.

The EPA identified potential impacts to Key Environmental Factors from solid and liquid waste generated during construction and operation stages of the Project. The Minister for the Environment suggests reasonable and practicable measures should be taken to minimise the generation of waste and its discharge into the environment to achieve objectives and comply with legislation relating to protection of environmental values.

Overall accountability lies with the OWNER for ensuring the conditions of the MS 1180 are complied with throughout the Project phases, including construction. CONTRACTOR are responsible for carrying out certain management and controls to ensure compliance.

6 MITIGATION MEASURES

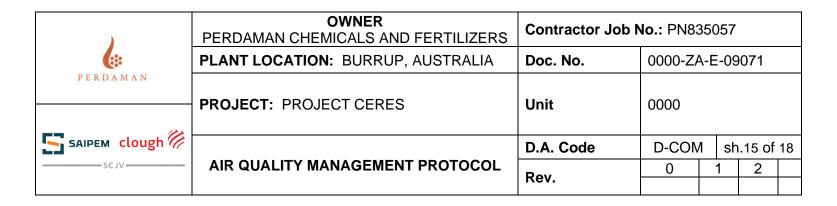
6.1 Management Protocols

Mitigation measures presented in Table 6-1 provide the CONTRACTOR team and its SUBCONTRACTORS with minimum standard controls to mitigate impacts associated with the CONTRACTOR construction methodology to minimize impacts from hydrocarbons and hazardous substances emissions. These mitigation measures have been adopted from the OWNER PEMP environmental protocols, and the Perdaman Solid & Liquid Waste Management Plan.

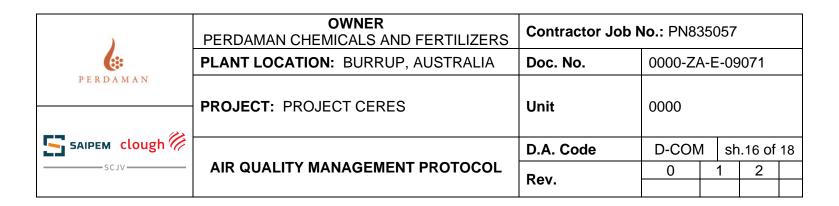
)	OWNER PERDAMAN CHEMICALS AND FERTILIZERS	Contractor Job N	No.: PN835057
(8:	PLANT LOCATION: BURRUP, AUSTRALIA	Doc. No.	0000-ZA-E-09071
PERDAMAN	PROJECT: PROJECT CERES	Unit	0000
SAIPEM clough		D.A. Code	D-COM sh.14 of 18
SCJV———	AIR QUALITY MANAGEMENT PROTOCOL	Rev.	0 1 2
		1107.	

Table 6-1 Air Quality Mitigation Measures

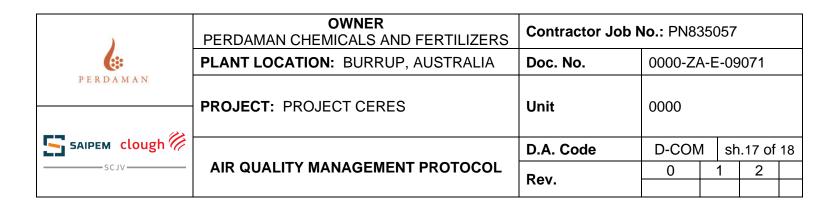
Requirements	Project Area
Project areas = CF - Site C & F / Ca - Causeway / Co - Conveyor / P - Port	
A Dust Management Procedure will be developed for approval by the CONTRACTOR Environment & Heritage Manager prior to commencing Works likely to generate dust.	CF, Ca, Co, P
Dust suppression techniques will be used on unsealed roads and access tracks, cleared areas and at locations of high dust risk.	CF, Ca, Co, P
Dust suppression sprays installed at material transfer locations on the jaw crusher, cone crushers, triple deck screen and product stackers.	CF, Ca, Co, P
Water systems to be used to minimise dust generation at material transfer points, crusher and at the materials stockpiles.	CF, Ca, Co, P
Chemical dust suppressants or water trucks to be operated on roads and open areas to ensure dust generation is kept to a minimum	CF, Ca, Co, P
Stockpiles must not exceed 5 m in height above ground level.	CF, Ca, Co, P
Dust suppression measures will be implemented where dust is visible, except during topsoil stripping.	CF, Ca, Co, P



Saline water (> 5000 mg/L TDS) will not be used for dust suppression unless approved by the CONTRACTOR Environment and Heritage Manager, or delegate.	CF, Ca, Co, P
Where the use of saline water for dust suppression (> 5000 mg/L TDS) is approved, dribble bars will be used to control overspray onto adjacent vegetation.	CF, Ca, Co, P
A log of water used for dust suppression will be maintained and reported in the Monthly Environmental Report. Information reported will include, where relevant, the source of the water, date and time, volume removed (including meter reading at start and finish), location where water was used.	CF, Ca, Co, P
Vegetation clearing and exposed surfaces will be kept to a minimum wherever practicable.	CF, Ca, Co, P
Vehicle speeds on access tracks and around work sites will be reduced where necessary to minimise dust emissions.	CF, Ca, Co, P
Vehicles will remain within designated roads and park only in allocated areas.	CF, Ca, Co, P
Dust suppressant additives or methods that reduce overall water consumption should be used wherever practicable. This will include restricting traffic within cleared areas until access is needed.	CF, Ca, Co, P
Vegetation clearing, grubbing and earthworks during high winds (>40 km/hr) should be avoided. Where these works are required to be conducted during high winds, additional management measures must be implemented to minimise and control dust emissions.	CF, Ca, Co, P
Four dust monitors are to be installed, comprised laser-based Optical Particle Counter for the monitoring and recording of PM2.5 and PM10 during construction activities.	CF, Ca, Co, P



The inclusion of cellular technology incorporated into the dust monitors will empower the CONTRACTOR to actively monitor dust emissions near-real time. In addition, six dust deposition gauges will also be procured and deployed outside of the construction footprint adjacent to sensitive receptors (including petroglyphs) to monitor dust loading.	
One dust monitor shall be installed outside of the construction footprint and upwind of prevailing winds to monitor background dust concentrations while the remaining three monitors will be placed around the crushing and screening operations.	
Air emissions during operation of process plant and equipment will be within the Project's approved thresholds. Where monitoring results indicate higher emissions than those stated in the Project's approval conditions, corrective actions must be implemented as soon as practicable to reduce emissions below the permitted level.	CF, Ca, Co, P
Dust emissions from the conveyor, product storage sheds and ship loading operations will be monitored and minimised throughout the life of the Project. Should emissions exceed the Project's approval conditions, corrective actions must be implemented, as soon as practicable, to reduce emissions to the permitted level.	CF, Ca, Co, P
Continually evaluate emission control technology and trends as they become commercially available to further limit air emissions.	CF, Ca, Co, P
Where ground disturbance, including clearing activities are conducted either within the NHP or within 50m where the Lease abuts the NHP, ground preparation works in proximity to the NHP must be managed using water carts to decrease dust and blast mats will be used during blasting to prevent flying rock.	CF, Ca, Co, P
Dust mitigation (i.e., water carts) will be utilised where activities are likely to cause dust pollution and nuisances to community visitors, tourists, traditional owners and MAC etc who are visiting culturally significant sites (i.e., during conveyor works or works adjacent to heritage sites within the Development Envelope.)	CF, Ca, Co, P



Employ various methods onsite to reduce dust onsite, including dust suppression with water or stabilisers (i.e., dustex).	CF, Ca, Co, P
Water tankers to be readily available to dampen exposed surfaces within construction and laydown areas, particularly ground disturbing activities.	CF, Ca, Co, P
Any work activities prone to creating dust i.e., excavations or clearing, will be staged and conducted during low wind periods.	CF, Ca, Co, P
Erosion and sediment control methods will be in place onsite to prevent soil from being deposited offsite and causing a dust nuisance later.	CF, Ca, Co, P
Loads being transported to site, from site and within the site shall be damped down or covered where wind-blown material can cause nuisance.	CF, Ca, Co, P
Stockpiles will be covered or hydro mulched and inspected regularly for integrity and intactness.	CF, Ca, Co, P
Disturbed areas on site will be stabilised as soon as practicable.	CF, Ca, Co, P
Ensure vehicles, plant and equipment are well maintained to reduce exhaust emissions to surrounding environment.	CF, Ca, Co, P
Dust suppressant additives or methods that reduce overall water consumption should be used wherever practicable. This shall include restricting traffic within cleared areas until access is needed.	CF, Ca, Co, P
Dust emissions during construction should not adversely impact the visual amenity for those visiting at culturally significant sites such as Hearson Cove, Yatha, Deep Gorge and Fish Thalu site.	CF, Ca, Co, P