



SECTION 7.0

Statement of Commitments

7.0 Statement of Commitments

7.1 Operational Controls

- 7.1.1 The throughput of the Kooragang Coal Terminal will not exceed 120 Mtpa of coal.
- 7.1.2 PWCS will continue to operate KCT in accordance with all requirements of existing development consent conditions including the Stage 3 development consent and 120 Mtpa Project Approval

7.2 Air

Air Quality Impact Assessment Criteria

- 7.2.1 During the operation of the Project, the air quality criteria outlined in **Tables 7.1** and **7.2** will be met by the Project.

Table 7.1 – DECCW Assessment Criteria for Particulate Matter Concentrations

Pollutant	Standard/Goal	Averaging Period	Agency
Total suspended particulate matter (TSP)	90 µg/m ³	Annual mean	National Health & Medical Research Council (NHMRC)
Particulate matter <10 µm (PM ₁₀)	50 µg/m ³	24-hour maximum	DECCW
	30 µg/m ³	Annual mean	DECCW
	50 µg/m ³	(24-hour average, 5 exceedances permitted per year)	National Environment Protection Measures (NEPM)

Table 7.2 – Dust Deposition Criteria

Pollutant	Averaging Period	Maximum Increase in Deposited Dust Level	Maximum Total Deposited Dust Level
Deposited dust	Annual	2 g/m ² /month	4 g/m ² /month

Note: Deposited dust is assessed as insoluble solids as defined by Standards Australia, 1991, AS 3580.10.1-1991: Methods for Sampling and Analysis of Ambient Air - Determination of Particulates - Deposited Matter - Gravimetric Method.

Air Quality Controls

- 7.2.2 PWCS will continue to implement existing dust controls and safeguards at KCT in accordance with current design procedures and operational procedures.
- 7.2.3 PWCS will incorporate the use of existing dust controls and safeguards at KCT into the design, construction and operation of the Stage 4 Project including:
- enclosure of the fourth dump station infrastructure, associated coal conveyors and coal transfer points;
 - installation of soft flow chutes to maintain a smooth flow coal trajectory from one conveyor to the next to minimise dust emissions;

- belt cleaning systems will continue to be installed to remove greater quantities of coal and further reduce the potential for carryback dust.

Air Quality Monitoring

7.2.4 Air quality monitoring will continue to be undertaken in accordance with current project approval conditions and the associated dust monitoring program developed in consultation with DECCW and NCC.

7.3 Noise

Noise Impact Assessment Criteria

7.3.1 During the operation of the Project, the noise criteria outlined in **Table 7.3** will be met by the Project.

**Table 7.3 – Kooragang Coal Terminal Intrusive and Amenity Noise Limits
(dBA re 20 µPa)**

Residential Receiver Area	LAeq(15minute) Construction Day ¹	LAeq(15minute) Operation Day, Evening, Night ²	LAeq(night) Operation Night ³	LA1(1minute) Operation Night ³
Fern Bay North	46	46	43	55
Fem Bay West	50	50	47	55
Fern Bay East	49	49	46	55
Stockton West	50	50	47	57
Stockton East	49	49	46	56
Mayfield West	41	41	37	56
Mayfield	44	44	38	58
Carrington	42	42	38	52
Notes	<p>The maximum allowable noise contributions apply under:</p> <ol style="list-style-type: none"> Meteorological conditions of: wind speeds up to 3 ms⁻¹ at 10 metres above ground level; or Temperature inversion conditions up to 3°C per 100 metres and wind speeds up to 2 ms⁻¹ at 10 metres above the ground. <p>For the purpose of assessment of noise from the project shall be:</p> <ol style="list-style-type: none"> Measured at the most affected point on or within the Site boundary at the most sensitive receiver to determine compliance with LAeq(15 minute) night noise limits; Measured at one metre from the dwelling facade to determine compliance with LA1(1 minute) noise limits; and Subject to the modification factors provided in Section 4 of the NSW INP, where applicable. 			

Note 1: 7 days per week, 0700 hours to 1800 hours.

Note 2: 7 days per week, 24 hours a day.

Note 3: Monday to Saturday 2200 hours to 0700 hours; Sundays and Public Holidays 2200 hours to 0600 hours.

Noise Mitigation Measures

- 7.3.2 PWCS will continue to implement existing noise controls and safeguards at KCT in accordance with current design procedures and operational procedures.
- 7.3.3 PWCS will continue to investigate and implement (where feasible) new technology and practices targeting noise reduction as part of the ongoing design, procurement, construction and commissioning process.
- 7.3.4 PWCS will undertake a review of the noise mitigation options to reduce the noise emissions by selected retrofitting of Stage 1 plant and equipment (or equivalent Stage 2) designed to reduce the overall noise emission by at least 1 dBA.
- 7.3.5 PWCS will install idler rollers on the existing transfer conveyors adjacent to the KBF building in accordance with Stage 4 noise performance specifications to mitigate any further noise impacts.

Noise Monitoring

- 7.3.6 Noise monitoring will continue to be undertaken in accordance with development consent conditions and associated noise monitoring program developed in consultation with the DECCW.

7.4 Water Quality

- 7.4.1 PWCS will continue to operate the KCT water management system to capture, treat store and re-use all water captured within the approved KCT footprint for the nominated design event.
- 7.4.2 PWCS will design and install appropriate sediment and erosion controls during construction activities for capture and treatment in the existing KCT water management system.
- 7.4.3 Overflows from the KCT water management system will occur when a storm event exceeds 1 in 100 year ARI event or after prolonged wet weather. PWCS will continue to monitor the volume and quality of these overflows should they occur.
- 7.4.4 PWCS will undertake an appropriate design, construction and validation program, including independent review of design and ongoing monitoring during construction and commissioning, for the establishment of the proposed fourth dump station and associated conveyor so potential groundwater interactions are minimised.
- 7.4.5 PWCS will manage dewater associated with the construction of the fourth dump station and associated conveyor infrastructure through the establishment of a series of wells for re-injection of dewater into the groundwater system.
- 7.4.6 PWCS will undertake monitoring to verify the quality of the groundwater at the specific dump station site prior to re-injection. Where water quality monitoring indicates water quality parameters that could impact the groundwater through the re-injection process, then treatment of the dewater could be considered. The specific treatment option will be investigated by PWCS based on analysis of the results of additional monitoring, and could include the use of a portable treatment plant on site.

- 7.4.7 All excavated material will be managed in accordance with the Acid Sulphate Soil Management Plan, as outlined in **Appendix 6**.

7.5 Visual

- 7.5.1 All proposed Stage 4 Infrastructure will be designed and constructed to be consistent with existing PWCS and surrounding infrastructure.
- 7.5.2 All new infrastructure will be finished in colours which blend in with the tones of the existing industrial infrastructure adjacent to it.

7.6 Traffic

- 7.6.1 PWCS will manage construction traffic (including Stage 4) in accordance with existing construction traffic management procedures.
- 7.6.2 The existing KCT Construction Traffic Management Protocol will be revised to account for the completion of the Tourle Street Bridge and the more efficient regional connectivity provided by the new bridge to Industrial Drive and Pacific Highway.
- 7.6.3 Designation of authority and responsibility for on and off-site heavy vehicle movements as outlined in the KCT Construction Traffic Management Protocol will be retained for the duration of the Stage 4 Project.
- 7.6.4 Off-street parking will be provided to meet the construction staff demands at each of the Stage 4 Project construction areas.

7.7 Greenhouse Gas and Energy

- 7.7.1 PWCS will assess and implement, where possible, energy and greenhouse management initiatives during the Project.

7.8 General Environmental Management, Monitoring, Auditing and Reporting

Environment Management Plan

- 7.8.1 PWCS will continue the implementation of the Environment Management Plans and systems for the existing and approved facility as detailed in the Stage 3 Expansion conditions of consent and 120 Mtpa Project Approval.

Independent Environmental Audit

- 7.8.2 PWCS will continue to make arrangements for a duly qualified independent person or team approved by the DoP Director-General to undertake an annual independent environmental audit of the implementation of conditions of consent, incorporating Stage 4, at its own expense.

Community Consultation

- 7.8.3 PWCS will maintain a 24 hour telephone service to allow members of the public to directly report incidents or to seek information regarding environmental aspects of KCT's activities. PWCS will continue to maintain a register to record details of all enquiries received and actions undertaken in response to enquiries. PWCS will continue to supply DECCW with a copy of the community enquiries register on an annual basis.