



CLIENT MONTHLY ENVIRONMENTAL REPORT

**SICTL Container International Container
Terminal Limited**

Contract Number: 350

Report Number: 05

Period: October 2014

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1. Progress

1.1 Background

1.2 General Progress and Construction Activities

Burton Contractors continued with the electrical conduit installation works with major subcontractor Downer. Two main electrical pits P104 and P105 were completed on the northern end whilst the majority of the inground infrastructure was installed on the seaside end.

KNF Constructions (KNF) continued with drainage works which included the completion of Beams H, I, J, K and L on the southern end of the site. Stripping formwork and cutting cast sleeves continued along with the reefer substation works which undertook the last wall pour at the end of the month.

Structural steel components for the reefer gantries were delivered to site and final measure ups for the structural steel items that are to be fitted to the Automatic Stacking Crane rail beam were conducted.

1.3 Environmental Action Summary

Table 1: Summary of environmental actions during October 2014

Detail	This Month	Total To Date
Toolbox (Includes Environment)	1	9
Awareness/Alerts/Training	2	7
Inspections	6	36
Audits	0	2
Non-Conformances	0	4
Out of Hours Request	4	18
Unexpected Find of Contamination	0	0
Hazard Reports / Minor Incidents (Class 3)	0	5
Hazard Reports / Minor Incidents (Class 3) Closed Out	0	5
Reported Incidents (Classes 2 & 1)	0	0
Breaches/Fines	0	0
Innovation / Positive Actions	1	6

2.0 Environmental Surveillance

2.1 Environmental Inspections and Audit Findings

A total of 6 environmental inspections and audits were undertaken during the reporting period. These included a combination of 27 daily site inspections (not included in the project total), 3 weekly internal and external inspections, 1 monthly checklist, 2 post rainfall inspection and any additional monitoring that was undertaken during the reporting period. These inspections identified a total of 0 non-conformance and 0 minor issues.

2.2 Environmental Noise Monitoring

Monthly construction noise monitoring was undertaken during October 2014. Noise monitoring was conducted at four of the locations outlined in the Environmental Impact Statement and the CEMP. The identification of these sites has been based on noise-sensitive receptors in the project Environmental Impact Statement and approved for the Port Botany Expansion construction activities.

Attended noise measurements were carried out for a period of 15 minutes at each location. During the monitoring event, observations were made on the weather as well as the surrounding noise sources and environment. Noise monitoring results and location maps are presented in Appendix B.

All noise monitoring conducted during the period indicated that the construction works were inaudible at residential noise-sensitive receivers. No noise related complaints were received by the Project for this reporting period.

2.3 Environmental Dust Monitoring and Air Quality

The environmental dust monitoring data presented in this report has been made available by Fulton Hogan, the contractor for Patrick currently undertaking construction activities associated with Ramp D and the Knuckle as part of Port Botany Expansion Project.

Due to the concurrent nature of the construction activities undertaken by Burtons and Fulton Hogan as part of the overall PBRP both parties agreed to share monthly environmental monitoring data.

Four dust deposition gauges are installed in the areas surrounding the Port Botany redevelopment. All results received for the deposition gauges were within EPA guidelines and Project criteria for the month of October. No residential properties or road networks have been impacted by dust emanating from the Port expansion construction works and there have been no dust complaints received by the project during this monitoring period.

The real-time dust monitor located at the Botany Golf Club for reporting of PM₁₀ particulate matter has been temporarily utilised by Burton's, from Fulton Hogan, for the month of October 2014.

One exceedence of project PM₁₀ particulate matter criteria were recorded during October 2014. This exceedences was recorded on the 7 October 2014. An investigation into the exceedences identified the following information:

- A number of controls were in place on site at the time the exceedance occurred and that no dust or particulate matter was observed leaving the site, controls included but weren't limited to use of a watercart and sweeper, compaction of stockpiles, sealing up of areas and prior placement and compaction of select material along entry and exit points.

The investigations concluded that all appropriate and reasonable mitigation measures had been undertaken at the site and that construction works did not represent the source of the exceedance.

All other results were within the acceptable limits and the EPA Guidelines for the project. Dust and PM₁₀ monitoring results and location maps can be seen in Appendix C.

2.4 Water Quality Monitoring

During the reporting period no water was discharged from site. A total of 133.5mm of rain was received throughout the month of October. This rainfall was managed within the site boundaries with the aid of a sediment basin. Immediately following the rain events, erosion and sediment controls including but not limited to a sediment basin and wheel wash were inspected and were deemed effective (as per the Soil and Water Management Plan).

2.5 Shorebird Monitoring and Predator Inspections

Shorebird monitoring inspections were undertaken twice a day on site by the Site Foreman and Environmental Representative. These inspections indicated that no shorebirds or birds at all were observed to congregate on the site.

Daily monitoring inspections for targeted predator species (foxes, dogs and cats) were also undertaken by the Site Foreman and Environmental Representative, no indications of the presence of predators were found within the site.

3.0 Community

3.1 Community Issues

No community issues or complaints were received during this period.

Regards,

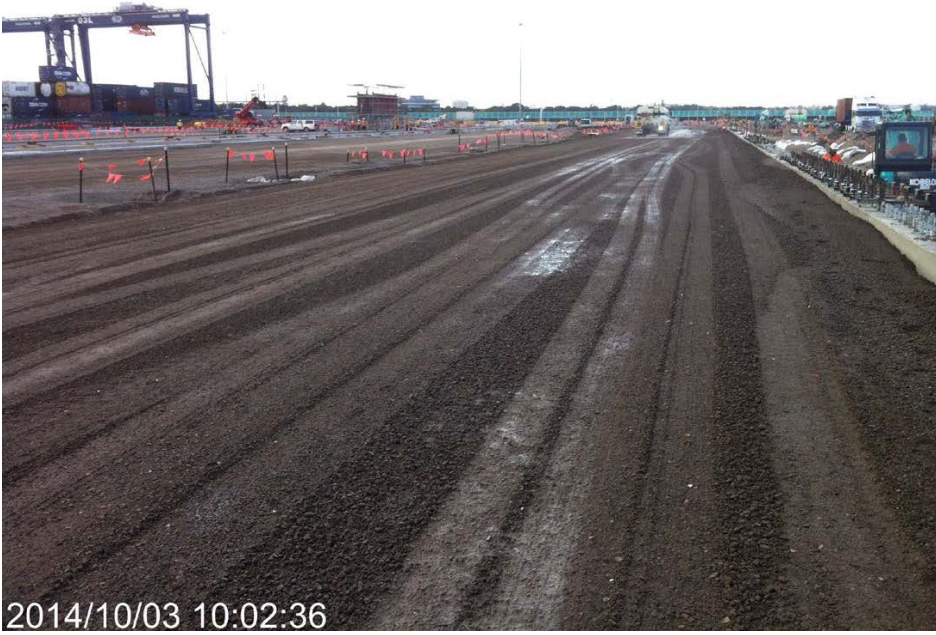
Burton Contractors Pty Limited

Simon Fisher

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Environmental Coordinator

Appendix A – Site Photographs





Appendix B – Noise Monitoring Records

Monthly Noise Monitoring Results – Standard Hours

18 October 2014

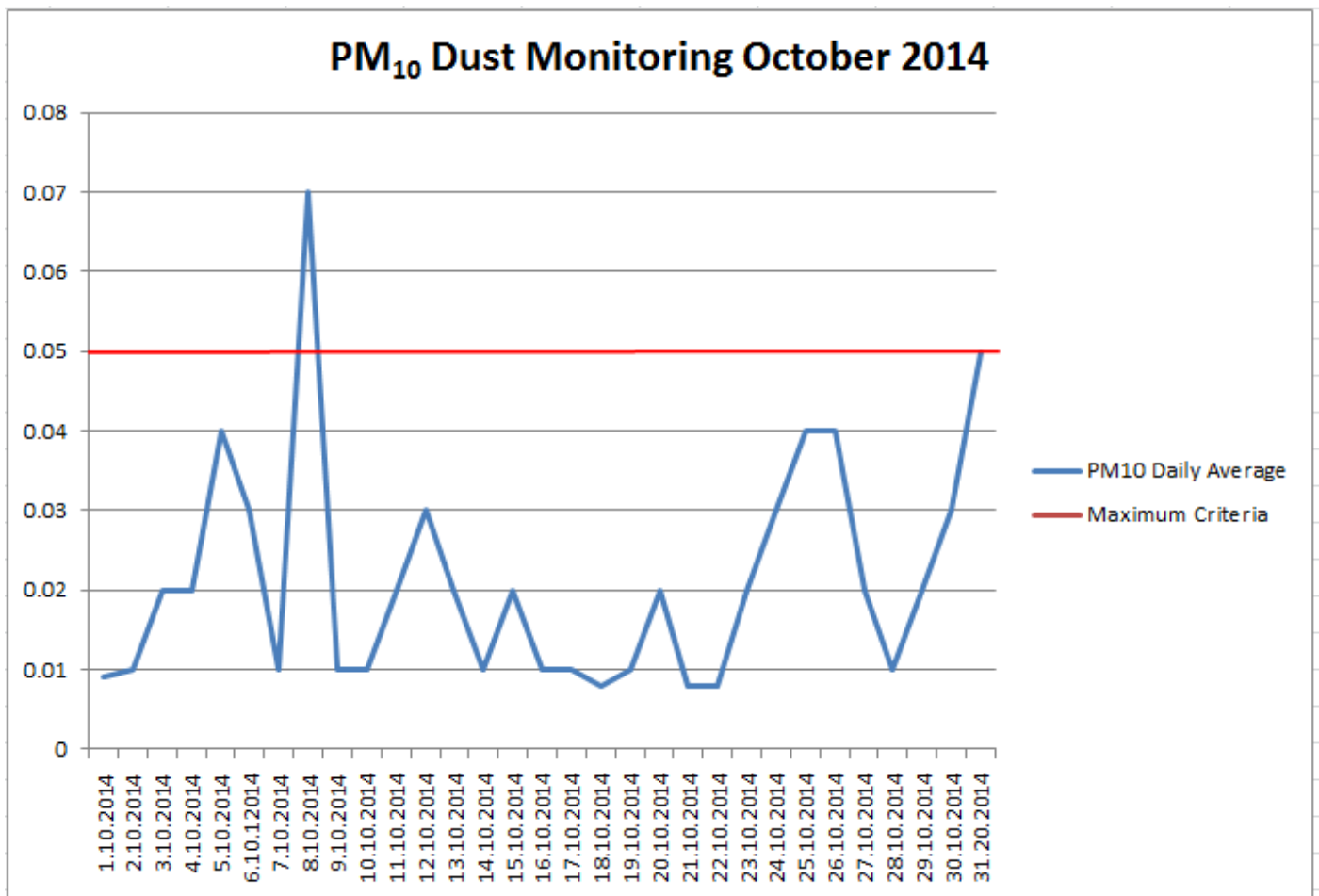
Context				EIS Data		Actual Measurements			
Noise Sensitive Area (EIS)	Monitoring Location	Sample Time	Weather Conditions	RBL	Noise Goal	Min	Max	LA10	Comments
Location 1	14 The Esplanade	1000-1045	Windy and overcast	49	59	37	50	63	Aircraft noise, traffic and wind. Construction works inaudible
Location 2	34 Dent St	1125-1140	Windy and overcast	47	57	41.5	47.6	49	Aircraft noise, traffic and wind. Construction works inaudible
Location 4	3 Anniversary Rd	1100-1115	Windy and overcast	57	67	58	67	64.2	Traffic and wind. Construction works inaudible
Location 8	Cnr Botany Rd and Exell St	1130-1145	Windy and overcast	56	66	57	69	67.5	Local traffic and wind. Construction works inaudible

Appendix C – Dust and Air Quality Readings

PB Monitoring – OCTOBER RESULTS 2014

No	Location	Ash	Combustible Matter	Total Soluble Matter	Total Insoluble Matter	Sample ID	EPA Guideline	Comments
1	Purcell Park	2.0	0.6	0.5	2.6	EW1410113-001	4.0	Within criteria
2	Estuary	1.9	0.8	0.6	2.7	EW1410113-002	4.0	Within criteria
3	Golf Course	0.7	0.4	0.6	1.1	EW1410113-003	4.0	Within criteria
4	Joseph Bank Park	0.3	0.8	0.8	1.1	EW1410113-004	4.0	Within criteria

All units in g/m²/month. Dust limits are assessed as insoluble solids as per The Australian Standards (AS 3580.10.1-1991). Summary taken from ALS report EW1410113. Reporting period: 11.09.2014 – 13.10.2014.



PM₁₀ daily dust averages for the month of October 2014. Readings were generally under the upper limit criteria of 0.05 g/m²/month with the exception of 7 October which has a reading of 0.07.

Dust Monitoring Locations

