



CLIENT MONTHLY ENVIRONMENTAL REPORT

**SICTL Container International Container
Terminal Limited**

Contract Number: 350
Report Number: 06
Period: November 2014

Prepared By: Simon Fisher



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1. Progress

1.1 Background

1.2 General Progress and Construction Activities

Burton Contractors continued concrete works with major subcontractor KNF Construction. Lean mix for the Automatic Stacking Cranes (ASC) 4, 5 and 6 has commenced on 10th November for southern side of the site and was finalised on the 19th November. Pavement located at the southern side of the site in ASC 4, 5 and 6 pours commenced on the 19th November, stripping, forming and placing reinforcement continued until the end of the month.

Kerbing on the northern end of the site on ASC 4, 5 and 6 commenced on 10th November and was completed by 29th November. Concrete pours of the medians in between kerbs commenced on the 27th November for until the end of the month.

Other concrete works on site include pouring of the plinths and gantry slab that includes placing of reinforcement, pouring of concrete and stripping of formwork. Ground improvement works by Burtons in between the plinths continued as the plinths were poured from the north to the south. Ground improvement works comprised of a granular sloping layer being installed and compacted after the heavy duty granular base was placed and compacted.

1.3 Environmental Action Summary

Table 1: Summary of environmental actions during November 2014

Detail	This Month	Total To Date
Toolbox (Includes Environment)	1	10
Awareness/Alerts/Training	0	7
Inspections	4	40
Audits	0	2
Non-Conformances	0	4
Out of Hours Request	4	22
Unexpected Find of Contamination	0	0
Hazard Reports / Minor Incidents (Class 3)	4	9
Hazard Reports / Minor Incidents (Class 3) Closed Out	4	9
Reported Incidents (Classes 2 & 1)	0	0
Breaches/Fines	0	0
Innovation / Positive Actions	0	6

2.0 Environmental Surveillance

2.1 Environmental Inspections and Audit Findings

A total of 4 environmental inspections and audits were undertaken during the reporting period. These included a combination of 25 daily site inspections (not included in the project total), 3 weekly internal and external inspections, 1 monthly checklist, and any additional monitoring that was undertaken during the reporting period. These inspections identified a total of 0 non-conformance and 4 minor issues.

2.2 Environmental Noise Monitoring

Monthly construction noise monitoring was undertaken during November 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 the Sydney International Container Terminal Limited (SICTL) currently undertaking construction activities associated with the Terminal 3 expansion at Port Botany.

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 November. 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 November 2014.

No exceedences of project PM₁₀ particulate matter criteria were recorded during November 2014.

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 140mm of rain was received throughout the month of November. 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

Simon Fisher

Environmental Coordinator

Appendix A – Site Photographs





Appendix B – Noise Monitoring Records

Monthly Noise Monitoring Results – Standard Hours

13 November 2014

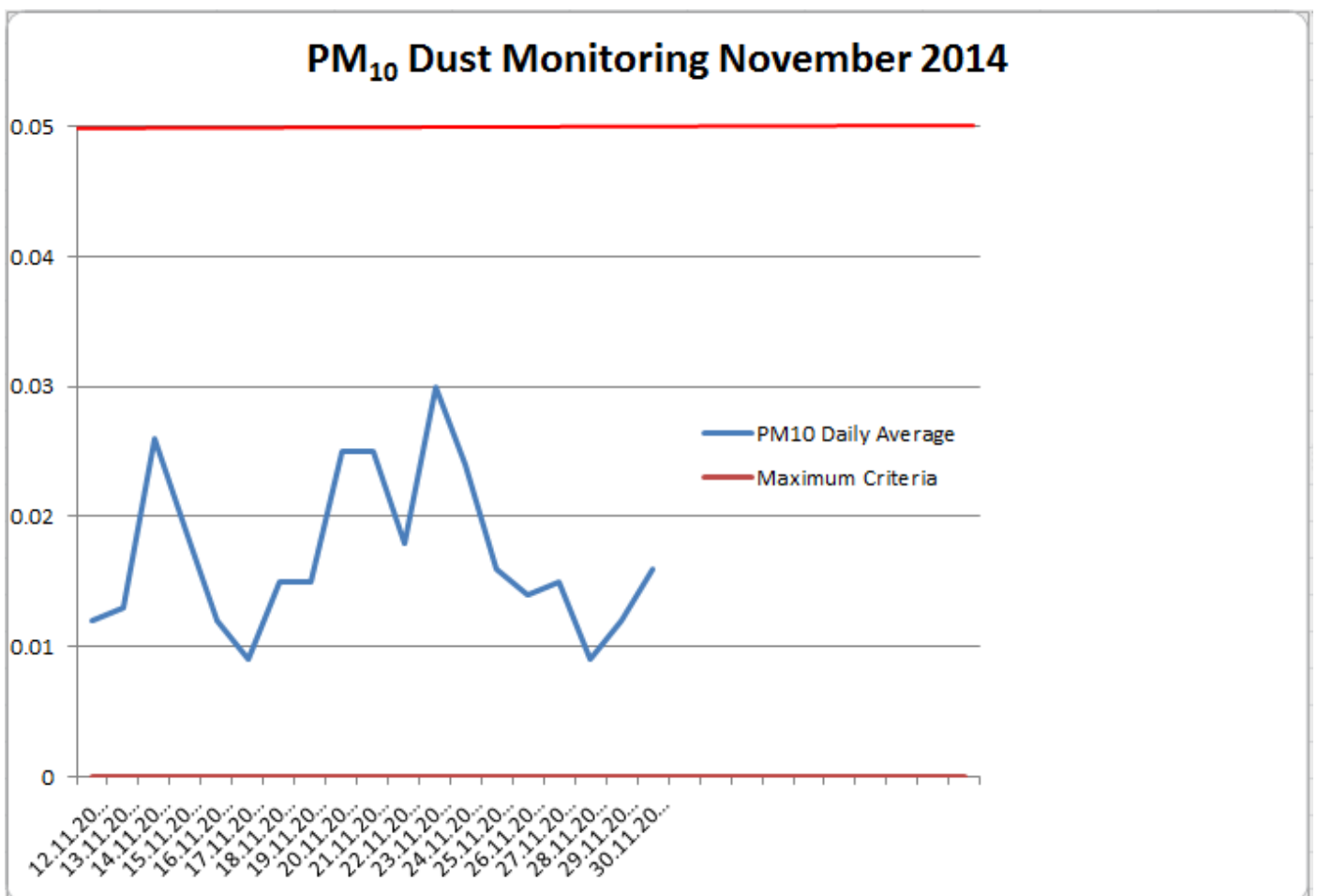
Context				EIS Data		Actual Measurements			
Noise Sensitive Area (EIS)	Monitoring Location	Sample Time	Weather Conditions	RBL	Noise Goal	Min	Max	LA10	Comments
Location 1	14 The Esplanade	1000-1015	Light wind	49	59	33	48	59	Aircraft noise, traffic and wind. Construction works inaudible
Location 2	34 Dent St	1045-1100	Light wind	47	57	39	44	43	Aircraft noise, traffic and wind. Construction works inaudible
Location 4	3 Anniversary Rd	1020-1035	Light wind	57	67	50	61	60	Traffic and wind. Construction works inaudible
Location 8	Cnr Botany Rd and Exell St	1205-1220	Light wind	56	66	46	60	52	Local traffic and wind. Construction works inaudible

Appendix C – Dust and Air Quality Readings

PB Monitoring – NOVEMBER RESULTS 2014

No	Location	Ash	Combustible Matter	Total Soluble Matter	Total Insoluble Matter	Sample ID	EPA Guideline	Comments
1	Purcell Park	2.0	0.7	4.9	2.7	EW1403434-001	4.0	Within criteria
2	Estuary	1.9	0.8	5.7	2.7	EW1403434-002	4.0	Within criteria
3	Golf Course	1.2	0.5	4.5	1.7	EW1403434-003	4.0	Within criteria
4	Joseph Bank Park	1.0	0.7	8.2	1.7	EW1403434-004	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 EW1403434. Reporting period: 13.10.2014 – 13.11.2014.



PM₁₀ daily dust averages for the month of November 2014. Readings were under the upper limit criteria of 0.05 g/m²/month.

Dust Monitoring Locations

