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St Peters Concrete Plant and Rail Terminal Annual Review

November 2018- October 2019

Lot 1 DP 866946

23-25 Burrows Road South

St Peters, NSW, 2044

DA 14/96 MOD 11



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1 Introduction

1.1 Background

Boral Resources (NSW) Pty Ltd (Boral) operates a concrete batching plant and a materials handling facility at 23 - 25 Burrows Road South, St Peters, NSW ("the Site"). The concrete plant produces ready mix concrete, while the materials handling facility receives via rail raw materials such as sand, aggregates and cement for use in the on-site concrete batching plant, as well as for distribution to Boral's network of asphalt and concrete plants in the Sydney metropolitan region.

On 6th September 1996, the then NSW Minister for Urban Affairs and Planning granted development consent to Boral for the construction and operation of a concrete plant and materials handling facility. The development consent also included approval for an asphalt plant which was subsequently constructed but decommissioned in 2002.

The site's development consent has been modified eleven times to increase the production limits of the facility, upgrade and decommission plant and site infrastructure, and amend operating hours.

On the 31st January 2019, modification 11 of DA14/96 was approved by the NSW Department of Planning, Industry and Environment (DPIE). This approval updated the development consent through administrative modifications and set production limits for the concrete plant (750,000m³) and throughput limits for the handling facility (1,000,000 tonnes per annum (tpa)).

1.2 Purpose/Scope

This report has been prepared to address Annual Review requirements as per Schedule 2, condition C9 of Development Consent DA-14/96. Condition C9 is quoted below, with **bold** text showing where an Annual Review requirement has been addressed in this document. This Annual Review includes the 12 month period between November 1st 2018 and October 31st 2019 (the 'reporting period').

C9. Within 12 months of the approval of MOD 10, and each subsequent year, the Applicant shall review the environmental performance of the development to the satisfaction of the Planning Secretary. This review must:

- a) describe the development that was carried out in the previous calendar year, and the development that is proposed to be carried out over the next year; (**Section 2**)*
- b) include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against the:
 - (i) the relevant statutory requirements, limits or performance measures/criteria(**Section 3**);**

- (ii) requirements of any plan or program required under this consent (**Section 3.2**);*
 - (iii) the monitoring results of previous years (**Section 3.1**); and*
 - (iv) the relevant predictions in the EIS and/or subsequent modifications (**Section 5**);*
- c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance (**Section 6**);*
- d) identify any trends in the monitoring data over the life of the development (**Section 7**);*
- e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies (**Section 3.1.1 and 3.1.2**); and*
- f) describe what measures will be implemented over the next year to improve the environmental performance of the development (**Section 8**).*

2 Development overview

2.1 Development in 2018-2019

Throughout the last 12 months, with the approval of Modification 11 of the development consent, the traffic management plan has been expanded upon at the site and the weighbridge has been extended to fit all trucks leaving the site with a wheel wash being installed on the extension. The site has installed a High Definition Camera system set up with 19 cameras observing all areas of the site. New and improved water sprinklers have also been installed to cover critical dust generation areas around the site (i.e. the concrete returns area, the train unloading area and the main road inside the site)

The site has continued their environmental compliance through the use of the Environmental Permit Planner (EPP) (See Appendix 1) in both the concrete and rail terminal sites, as well as the monthly Boral HSEQ Environmental Inspection Checklist (See appendix 2).

2.2 Proposed developments for 2019-2020

To comply with the approved scope for Modification 11, the proposed developments for the next reporting period include:

- The installation of real-time dust monitors (Eco Tech Neighbour Monitor or a Dustrak) on roof tops or suitable available locations around the site
- A new rail unloading station and conveyor that leads up to the bunkers in the existing elevated storage bins
- Bins to be demolished and consolidated into reconfigured bunkers
- Bunkers to be reconfigured to include wall heights of 10-17 metres high
- A second weighbridge
- 26 new car park spaces (19 for the concrete plant and 7 for the rail terminal)
- New open aggregate storage bins in the south of the materials handling facility
- New aggregate reclaiming conveyor
- New tipper drive over dump station
- New aggregate incline conveyor
- Rail unloading area for sand and aggregate material will be removed
- Existing unloading facility for internal offsite trucks for sand and aggregates will be removed
- Two new conveyors to two new load alleys and six new elevated cement and flyash silos
- An additional three double position slump stands
- New concrete reclaimer system

3 Environmental monitoring results and complaints records

3.1 Relevant statutory requirements and performance criteria

3.1.1 Noise

Best practice techniques are used to minimise unnecessary noise on site including:

- Limiting on site vehicle speeds between 10-20 km/hr;
- Regular plant and equipment maintenance to ensure that operational noise is minimised;
- Conduct the majority of operational works between the hours of 5:00 a.m. and 6:00 p.m. Monday to Sunday to minimise noise disturbance to sensitive receptors; and
- Where practicable, low tone broadband reversing alarms are used on mobile plant.

No noise complaints related to the site operations have been received during the reporting period.

Site and equipment noise monitoring was conducted by EMM Consulting (EMM) in July 2018 as part of an environmental assessment for modification 11. Based on the modelling results, the noise impacts resulting from modification 11 would satisfy the project specific noise levels (PSNLs) at all assessment locations and will increase site noise levels by no greater than 1 decibel (dB) compared to existing operations. Changes in noise levels by 1-2 dB are imperceptible to humans. Therefore this discrepancy between predicted and actual impacts of the development is negligible.

3.1.2 Dust

The site undertakes monthly monitoring of 3 dust deposition gauges and 2 directional dust gauges which have been placed in the following locations;

- **Site 1:** At the eastern corner of the site adjacent to the adjoining bus depot;
- **Site 1A:** A directional dust gauge at the same location as dust gauge (1);
- **Site 3:** At the western corner of the site adjacent to the rail line;
- **Site 3A:** A directional dust gauge at the same location as dust gauge (3); and
- **Site 4:** At the northern corner of the site, adjacent to a vacant SACL owned lot.

The site currently monitors dust impacts via the EPP and the Environment Inspection Checklist.

Dust monitoring is undertaken in accordance with the requirements of section 36a) and 36b) of the development consent which refers to the site's Environmental Management and Monitoring Plan (EMMP).

Dust deposition monitoring is conducted on a monthly basis in accordance with NSW EPA *Approved Method 19 – AS 3580.10.1 Methods of sampling and analysis of ambient air; Determination of particulate Deposited Matter – Gravimetric Method*.

Dust samples are collected every 30 ± 2 days and sent to Boral Materials Technical Services which is a NATA Accredited Laboratory (No: 9968). The samples are analysed for the following parameters:

- Insoluble solids – relating to the filterable material in the sample;
- Ash content – relating to the residue remaining following sample combustion by the laboratory; and
- Combustible material – sample content that is lost in sample combustion.

Figure 1: Boral Terminal/CBP St Peters – Dust Deposition Monitoring Locations November 2018 – October 2019.



The annual average concentrations for ash and insoluble solids at the current monitoring sites (1, 3 and 4) are listed in Table 1 below.

Table 1: Boral St Peters Dust Deposition Results

Monitoring Points Test Method AM 19	Nov 2015 – Oct 2016 Av (g/m ² /mth) Insoluble Solids	Nov 2016 – Oct 2017 Av (g/m ² /mth) Insoluble Solids	Nov 2017 – Oct 2018 Av (g/m ² /mth) Insoluble Solids	Nov 2018 – Oct 2019 Av (g/m ² /mth) Insoluble Solids
Site 1: Eastern Corner	9.48	9.00	9.56	9.38
Site 3: Rear of Site	8.92	8.35	9.53	7.59
Site 4: Northern Corner near site exit	12.33	7.47	10.92	5.65
Site 1A ¹ : North	3.78	13.56	3.13	2.17
Site 1A ¹ : East	4.71	4.52	2.68	3.42
Site 1A ¹ : South	12.44	6.40	3.91	5.7
Site 1A ¹ : West	5.61	9.76	6.88	12.24
Site 3A ¹ : North	13.59	14.02	22.11	18.24
Site 3A ¹ : East	11.06	11.52	7.67	7.45
Site 3A ¹ : South	5.85	5.92	8.64	6.72
Site 3A ¹ : West	13.96	10.74	7.69	7.41

¹ = Directional dust gauge

Monitoring Points Test Method AM 19	Nov 2015 – Oct 2016 Av (g/m ² /mth) Ash	Nov 2016 – Oct 2017 Av (g/m ² /mth) Ash	Nov 2017 – Oct 2018 Av (g/m ² /mth) Ash	Nov 2018 – Oct 2018 Av (g/m ² /mth) Ash
Site 1: Eastern Corner	6.67	5.51	6.7	6.78
Site 3: Rear of Site	7.72	6.98	8.25	6.34
Site 4: Northern Corner near site exit	10.48	6.77	9.39	4.56
Site 1A ¹ : North	2.83	11.49	2.57	1.56
Site 1A ¹ : East	4.06	3.68	2.05	2.42
Site 1A ¹ : South	10.52	5.24	3.20	4.7
Site 1A ¹ : West	4.93	8.56	5.84	10.62
Site 3A ¹ : North	11.51	11.95	19.18	15.91
Site 3A ¹ : East	9.66	6.99	6.97	6.29
Site 3A ¹ : South	5.08	4.37	7.36	5.13
Site 3A ¹ : West	12.04	4.43	6.75	6.5

¹ = Directional dust gauge

To interpret the results it is necessary to refer to the *NSW EPA Approved Methods and Guidance – For the Modelling and Assessment of Air Pollutants in NSW*. The impact assessment criteria for dust are

listed with the maximum annual average of $4\text{g}/\text{m}^2/\text{mth}$ for insoluble solids. These criteria are intended for application to offsite sensitive receptors.

Throughout the reporting period, the gauges have recorded insoluble solids above the goal of $4\text{g}/\text{m}^2/\text{month}$ and the average monthly deposition was greater than $4\text{g}/\text{m}^2/\text{mth}$ for all three dust gauges (Site 1; Site 3 and Site 4). These gauges are located on the operating site and are exposed to regular, but localised dust generating activities. To that extent, the recorded fallout rates are not necessarily representative of off-site dust concentrations.

Boral was required to establish one offsite dust gauge to determine the potential offsite impacts of dust on sensitive receptors on Burrows Road South as per Condition 36a of DA 14/96. However, there are limitations to the type of dust monitoring devices that can be installed in the area, due to surrounding land-use. This was discussed in the Annual Review submitted to the Department of Planning and Environment in December 2017. To address this issue, Boral as a part of Modification 11, will install real-time monitors in place of the current dust gauges. The dust data from the previous 12 months prior to the modified consent being granted (November 1st 2015 – October 31st 2016) indicates a decrease in the insoluble solids concentrations at all three dust gauge Sites 1, 3 and 4. There has also been a decrease in insoluble solids concentrations when compared to the previous reporting period (November 2018 – October 2019).

The directional dust gauge 3A located directly adjacent to Site 3 indicated that the majority of the deposited dust during the reporting period came from a northerly ($18.24\text{g}/\text{m}^2/\text{mth}$) direction where there are several offsite dust generating activities including Transfleet container terminal, Boral Recycling, Visy recycling Centre, and a carpark for Sydney Airport Corporation Limited (SACL) staff members to the west of the site. The dust deposition results from the east ($6.29\text{g}/\text{m}^2/\text{mth}$) and south ($5.13\text{g}/\text{m}^2/\text{mth}$) were slightly lower, facing the site operations, indicating a high potential of impact from offsite dust generating activities.

3.2 Requirements of plans / programs under this consent

The requirements of plan/programs under this consent requires a review of the environmental management and monitoring plan against the environmental monitoring results and process performed on site between 1 November 2018 – 31 October 2019. However, in the case for this annual review, the EMMP has been submitted by Boral to the DPIE, and is awaiting approval. Therefore the EMMP will be implemented in the next annual review for the site. Additionally, Boral has not commenced construction for the Modification 11 upgrade works and therefore has not implemented any equipment associated with the upgrade of the site.

3.2.1 Dust Management

Existing dust controls

The site currently reviews dust impacts via the site specific EPP (Appendix 1) and the monthly HSEQ Environmental Inspection Checklist (Appendix 2). However, a number of further existing controls are in place throughout the site to manage and reduce dust generation. The current dust controls used on site include:

- Watering all roads within the facility with a water cart multiple times a day;
 - Use of water sprays and sprinklers on stockpiles, loading areas, sales area, and on fixed plant;
 - Cessation or reduction of dust generating activities during unfavourable meteorological conditions e.g. high winds;
 - Wheel washing at the slump stand at the western site exit;
 - Primary feed bin sprays;
 - All vehicles entering or exiting the site have their loads appropriately covered (e.g. tarpaulins);
 - Maintaining a clean and tidy workspace;
 - Enclosed aggregate and sand storage silos;
 - Pneumatic loading of cement silos with dust filters;
 - Dust extraction systems in the CBP;
 - Fully enclosed conveyors and storage bins;
 - Closing doors in the loading bays during agitator loading;
 - Use of a street sweeper daily for onsite and offsite roads;
 - Traffic Management plan was updated on the site, and travel speeds have been limited to 10-20 km/hr within the facility. While this is a site safety measure, reduced vehicle travel speed minimises dust generation;
 - A wheel wash has been installed at the weighbridge for outgoing tipper trucks
- High Definition (HD) camera system with 20 cameras

Any complaint regarding dust on site will be acted on within 24-hours and submitted into the online safety information management systems (SIMS). Details of any dust-related complaint will be logged into the online public complaints register, with investigation findings and actions noted.

According to the Ramboll assessment in 2016, the modelled increase of annual dust deposition at two commercial / industrial receptors on Burrows Road was predicted to exceed the EPA criterion. Subsequently section 36b of the modified consent required Boral to establish an offsite dust gauge in the vicinity of R3 or R4 on Burrows Road South. Boral staff engaged neighbours at a bus depot directly to the north of the site to discuss the possibility of establishing a dust gauge on their site. While the neighbours were willing to allow a dust gauge on their site, the only available areas were within 5 metres of a building, 1 metre of a fence line and within the shadow of an overhanging tree with less than 120° sky visibility as per the Australian standard criteria. After an assessment of the remaining surrounding areas, no suitable locations could be found to establish an offsite dust gauge that met the

criteria for AS/NZS 3580.1.1 for establishing depositional dust gauges. Therefore, as stated previously, Boral has proposed to install the real-time monitors in the locations of the existing dust gauges on site.

Future proposals

Further dust management controls proposed include the following:

- As part of the sites continual improvement program the site will monitor the current control methods and where necessary update and modify existing controls.
- Install real-time monitors in the locations of the existing dust gauges
- Install more HD cameras as part of the current camera system on site. Cameras assist site management identify dust on site which can help mitigate it sooner.
- Improvements upon the existing water sprinkler system for dust suppression. An increased number of sprinklers are planned for the main roads throughout the site as well as for the train unloading area.
- Site management are evaluating the effectiveness of the current street sweeper company and are reviewing alternative street sweeper companies that use regenerative air systems.
- A 'toaster rack' stockpile configuration with a tripper car conveyor system for transporting raw material from the stockpiles to the concrete plant will be implemented for Modification 11. This will reduce vehicle movements (truck and front end loader) between the terminal and the concrete plant, and therefore dust generation should decrease.

3.2.2 Water management

Surface water run-off from the site is largely captured and contained by a series of retention pits located to the west of the concrete plant and the first flush system located in the eastern portion of the concrete plant. Captured water is recycled and used in the concrete batching process.

Water captured in the first flush system flows through a system of wedge pits, stirrer pits and settling pits to enable suspended solids to fall out prior to discharging into the storm water drainage to the south of the site. Water is only discharged into the storm water system during high rainfall events that exceed the design capacity. The first flush system and retention pits are regularly cleaned to remove sediment from the base of the pits to reduce the sediment load in captured water.

For Modification 11, there are various water management plans that are to be implemented on site for the construction of the upgrade. These include an Erosion and Sediment Control plan, a Surface Water Management Plan, and a Flood Emergency Response Plan. These form part of the EMMP which is yet to be approved by the DPIE and therefore will be discussed in the next reporting period's review.

3.2.3 Complaints register

An environmental complaints register is available online, however all hazards or incidents are also recorded in Boral's online SIMS tool. The purpose of the complaints register is to:

- Ensure that complaints/concerns received regarding the facility are documented; and
- An appropriate response to complaints is initiated (this may include changing management practices/monitoring procedures or adopting new practices/monitoring procedures).

Complaints must be reported to the Production Supervisor within 24 hours of receipt. The Production Supervisor will log the complaint in SIMS and retain a copy on site.

Where possible, the following information will be sought from the complainant and followed up by the site Manager:

- Date of the complaint;
- Name of the person making the complaint;
- Telephone number of the person making the complaint;
- Reason for the complaint; and
- Follow up with the complainant after actions have been taken in response to the complaint

Upon being informed of a complaint, the Manager must determine:

- Whether any further response actions are required; and
- Whether changes to site management procedures/monitoring programs are required.

No community complaints pertaining to the site were received during the reporting period.

3.2.4 Review

The Boral GRP-HSEQ-3-01 Monitoring and Review standard describes the obligations of all Boral sites to monitor and record the key performance characteristics of their operations, which have or may have a significant impact on the environment.

The site's EMMP was developed during the reporting period, and is yet to be approved by the DPIE. Once the EMMP has been approved, it will continue to be reviewed at a minimum of every three years, or where there are significant changes to legislation. Reviews are to be conducted by the Environmental Manager in consultation with the Site Managers to ensure suitability and adequacy of the EMMP and associated compliances tools.

The site undertakes regular environmental inspections, audits and reviews of the site operations including:

- The monthly environmental inspection checklist ensuring a range of environmental tasks and inspections are completed throughout the month and actioned appropriately. Non-conformances are uploaded onto SIMS for corrective actions to be implemented;
- Compliance and environmental management system (EMS) audits are conducted every three years by the HSE team to ensure compliance with company standards and regulatory requirements.

In 2016, Boral introduced EPPs to both the materials handling facility and the concrete plant to ensure that both operations are compliant with the most recent consent conditions. The EPPs outline all of the consent conditions pertaining to environmental issues and provide instructions to verify that each item is signed off at the appropriate frequency each year. Copies of the materials handling facility and concrete plant EPPs are attached in **Appendix 1**.

4 Compliance with conditions of consent

Table 2 summarises all the conditions of consent, indicates compliance (if relevant) and provides comments if required

Table 2: Compliance with Conditions of Consent – Concrete Batching Plant and Quarry Terminal, St Peters, NSW. (DA -14/96 Mod 10)

Condition No.	Condition Summary	Complied with Y/N	Comments
General			
Obligation to Minimise Harm to the Environment.			
A1	This consent is granted under section 91 (1) of the Environmental Planning and Assessment Act, 1979 for the operation of a concrete batching plant and associated materials handling facilities at Burrows Road South, St Peters.	Y	Operations are carried out in accordance with the described activities.
A2	The development shall be carried out in accordance with: (items a) to n)).	Y	Operations are carried out in accordance with the associated documents.
A3	If there is any inconsistency between the plans and documentation listed under condition 2 above, the most recent document shall prevail to the extent of the inconsistency. However, conditions of this consent prevail to the extent of any inconsistency.	Y	Operations are carried out in accordance with DA 14/96 Mod 11 which is the most recent of the associated documents.
A4	The applicant shall ensure that employees, contractors and sub-contractors are aware of, and comply with, the conditions of this consent, relevant to their respective activities.	Y	Site inductions, regular internal audits and the site's EPP ensure that employees and site visitors are aware of the respective consent conditions that relate to their site.
Limits of Consent			
A5	The annual production of the concrete batching plant must not exceed 750,000 cubic metres and the annual throughput of the materials handling facility must not exceed one million tonnes.	Y	The concrete batching plant produced 276,483m ³ of concrete during the reporting period. The annual tonnage shortfall at the quarry terminal was 989,727 tonnes (or 29,110 truckloads assuming a 34 tonne truck capacity).
A6	The Applicant must: a) ensure the maximum hourly truck movements during the morning peak (7 am to 9 am) and afternoon peak (4 pm to 6 pm) do not exceed the limits outlined in Table 1 below; and Table 1: Maximum hourly heavy vehicle movements from concrete batching plant	N	a) Maximum truck movements during the morning and afternoon peak were below the 88 hourly 2 way movements. b) A quarterly report on the heavy truck movements during the morning and afternoon peak periods was not submitted to Council and the Planning Secretary.

Condition No.	Condition Summary	Complied with Y/N	Comments
	7am-9am: 88 hourly 2 way movements 4pm-6pm: 88 hourly 2 way movements b) prepare and submit a quarterly report on heavy vehicle truck movements during the morning and afternoon peak periods to Council and the Planning Secretary until the completion of WestConnex Stage 3, unless otherwise agreed to by the Planning Secretary.		Appendix 3 has the total truck movements from the 1 st of February 2019 – 31 st January 2020 to cover the period of MOD 11 commencing to the end of January 2020.
A7	Within 12 months after the determination of MOD 11, a positive covenant under section 88E of the Conveyancing Act 1919 must be registered on the title of the site that provides for the ongoing management and maintenance of the on-site water management system. The covenant must name Council as the prescribed authority, and can only be revoked, varied or modified with the consent of the Council.	Y	Positive covenant (s88E) has been provided to InnerWest Council for approval before being registered on title. Once Council has approved the instrument, the covenant will be registered
A8	Enter into a planning agreement with Council, setting out the cost division for the upgrade to Burrows Rd South. In accordance with Boral's letter of offer to Council.	Y	Currently negotiating with Council on timing of road works (they are likely to occur before the end of this financial year). Council and Boral have agreed on costs, and the Planning Agreement will reflect this.
A9	Where Conditions of this consent require consultation with an identified party, the Applicant must: a) consult with the relevant party prior to submitting the subject document to the Planning Secretary for approval; and b) provide details of the consultation undertaken including: (i) the outcome of that consultation, matters resolved and unresolved; and (ii) details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.	N/A	Noted
A10	All demolition must be carried out in accordance with Australian Standard AS 2601-2001 The Demolition of Structures (Standards Australia, 2001).	Y	No demolition has commenced on site.

Condition No.	Condition Summary	Complied with Y/N	Comments
A11	All new buildings and structures, and any new alterations or additions to existing buildings and structures, that are part of the development, must be constructed in accordance with the relevant requirements of the BCA.	Y	No construction has commenced on site.
A12	The Applicant must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the Conditions of this consent relevant to activities they carry out in respect of the development	Y	No construction has commenced on site.
A13	All plant and equipment used on site, or to monitor the performance of the development, must be: a) maintained in a proper and efficient Condition; and b) operated in a proper and efficient manner.	Y	No construction has commenced on site.
A14	References in the Conditions of this consent to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, Standards or policies in the form they are in as at the date of this consent	N/A	Noted
A15	However, consistent with the Conditions of this consent and without altering any limits or criteria in this consent, the Planning Secretary may, when issuing directions under this consent in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.	N/A	Noted
B1	Prior to the commencement of construction of MOD 11 works, the Applicant must prepare a Construction Traffic Management Plan for the development to the satisfaction of the Planning Secretary. The plan must form part of the CEMP required by Condition C2 and must: (a) Be prepared by a suitably qualified and experienced person(s) (b) Be prepared in consultation with Council (c) Detail the measures that are to be implemented to ensure	Y	The Construction Traffic Management Plan has been completed as part of the Construction Environmental Management Plan for the site.

Condition No.	Condition Summary	Complied with Y/N	Comments
	<p>road safety and network efficiency during construction;</p> <p>(d) Detail heavy vehicle routes, access and parking arrangements;</p> <p>(e) Include a Driver Code of Conduct to:</p> <p>(i) Minimise the impacts of earthworks and construction on the local and regional road network;</p> <p>(ii) Minimise conflicts with other road users;</p> <p>(iii) Minimise road traffic noise; and</p> <p>(iv) Ensure truck drivers use specified routes</p> <p>(f) Include a program to monitor the effectiveness of these measures; and</p> <p>(g) If necessary, detail procedures for notifying residents and the community (including local schools). Of any potential disruptions to routes</p>		
B2	<p>The Applicant must:</p> <p>a) not commence construction until the Construction Traffic Management Plan required by Condition B1 is approved by the Planning Secretary; and</p> <p>b) Implement the most recent version of the Construction Traffic Management Plan approved by the Planning Secretary for the duration of construction.</p>	Y	The Construction Traffic Management Plan has been completed as part of the Construction Environmental Management Plan for the site.
B3	Heavy vehicles travelling inbound or outbound from the site must not utilise Mary Street, St Peters.	Y	Implemented into the Driver's Code of Conduct
B4	The Applicant must comply with the requirements of the RMS and Council regarding the use and any routes of 'B-Double' trucks.	N/A	Noted
B5	The Applicant must meet the full cost of any works required to be carried out by Council, DPI, Sydney Water or the RMS in connection with drainage, crossing, alterations to kerb and guttering, footpaths and roads that may be needed as a result of the development in addition to any such works specified in other Conditions.	N/A	Noted

Condition No.	Condition Summary	Complied with Y/N	Comments
B6	<p>Prior to the commencement of operation of any of the new infrastructure approved under MOD 11 the Applicant must update the existing Traffic Management Plan for the development. The plan must be incorporated into the updated EMMP required by Condition C5 of this consent and must:</p> <ul style="list-style-type: none"> (a) be prepared by a suitably qualified and experienced person(s); (b) be prepared in consultation with Council and the RMS; (c) detail vehicle routes, access and parking arrangements; (d) include details of driver training awareness to minimise noise, in particular from reversing alarms and compression braking; (e) include as Driver Code of Conduct to: <ul style="list-style-type: none"> (i) minimise conflicts with other road users; (ii) minimise road traffic noise; (iii) ensure truck drivers use specified routes; (iv) ensure no queuing or parking on the local road or footpaths; (v) ensure adherence to all on-site and off-site speed limits; (vi) require all loading and unloading to be undertaken on site; and (vii) require all vehicles to enter and exit the site in a forward direction; (f) include a Heavy Vehicle Management Plan to the satisfaction of Council; and (g) include a program to monitor the effectiveness of these measures. 	Y	No construction has commenced on site. However, the updated Traffic Management Plan has been implemented into the EMMP that has been submitted (pending approval) to the DPIE.
B7	<p>The Applicant must:</p> <ul style="list-style-type: none"> a) not commence operation of any new infrastructure approved under MOD 11 until the operational Traffic Management Plan required by Condition B6 is approved by the Planning Secretary; and b) implement the most recent version of the operational Traffic Management Plan approved by the Planning Secretary for the duration of the development 	Y	No construction has commenced on site. However, the updated Traffic Management Plan has been implemented into the EMMP that has been submitted (pending approval) to the DPIE.

Condition No.	Condition Summary	Complied with Y/N	Comments
B8	The Applicant must provide sufficient parking facilities on-site, including for heavy vehicles and for site personnel, to ensure that traffic associated with the development does not utilise public and residential streets or public parking facilities	Y	No construction has commenced on site.
B9	For all new works approved under MOD 11, the Applicant must ensure: a) internal roads, driveways and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the development are constructed and maintained in accordance with the latest version of AS 2890.1:2004 Parking facilities Off-street car parking (Standards Australia, 2004) and AS 2890.2:2002 Parking facilities Off-street commercial vehicle facilities (Standards Australia, 2002); b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the site, is in accordance with the relevant AUSTRROADS guidelines; c) the development does not result in any vehicles queuing on the public road network; d) heavy vehicles associated with the development are not parked on local roads or footpaths in the vicinity of the site; e) all vehicles are wholly contained on site before being required to stop; f) all loading and unloading of materials is carried out on-site; g) all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network.	Y	No construction has commenced on site.
B10	All vehicles exiting the site must pass through an operational and efficient wheel wash and/or vibration grid	Y	A wheel wash has been installed on the weighbridge.
B11	Within three months of the determination of MOD 11, the Applicant must investigate and submit a proposal to the Bayside Traffic Committee that recommends the extension of the 'No Stopping'	Y	Investigations (as a part of Mod 12) found that the existing setback of the "No Stopping" zone was sufficient for the proposed queue lengths, and hence the zone did not require extending.

Condition No.	Condition Summary	Complied with Y/N	Comments
	zone along Burrows Road South from the intersection of Burrows Road South and Canal Road toward the development. Evidence of this must be provided to the Planning Secretary within four months of the determination of MOD 11.		
B12	The Applicant must take all reasonable steps to minimise dust generated during all works authorised by this consent.	Y	Refer to Section 3.2.1
B13	During construction, the Applicant must ensure that: a) exposed surfaces and stockpiles are suppressed by regular watering; b) all trucks entering or leaving the site with loads have their loads covered; c) trucks associated with the development do not track dirt onto the public road network; d) public roads used by these trucks are kept clean; and e) land stabilisation works are carried out progressively on site to minimise exposed surfaces.	Y	No construction has commenced on site.
B14	Within three months of the determination of MOD 11, the Applicant must prepare an Air Quality Management Plan (AQMP) to the satisfaction of the Planning Secretary. The AQMP must form part of the updated EMMP required by Condition C5. The AQMP must: (a) be prepared by a suitably qualified and experienced person(s); (b) detail and rank all emissions from all sources of the development, including particulate emissions; (c) identify the control measures that that will be implemented for each emission source; (d) describe a program that can evaluate the performance of the operation and determine compliance with key performance indicators; (e) identify trigger levels for particulates for the real-time off-site dust monitors and response procedures; (f) include all existing dust deposition monitoring and criteria as		The AQMP is part of the EMMP which has been submitted to the DPIE but not yet approved.

Condition No.	Condition Summary	Complied with Y/N	Comments
	<p>described in the 'Environmental Management and Monitoring Plan' prepared by EMM dated 28 November 2017 for the site;</p> <p>(g) include historical data from existing dust monitoring gauges;</p> <p>(h) nominate the following for each of the proposed control measures for each emission source:</p> <p>(i) key performance indicator;</p> <p>(ii) monitoring method;</p> <p>(iii) location, frequency and duration of monitoring;</p> <p>(iv) record keeping;</p> <p>(v) complaints register;</p> <p>(vi) response procedures;</p> <p>(vii) compliance monitoring; and</p> <p>(i) describe a program for reviewing dust management practices on site to ensure continual improvement in dust management practices and implementation of best practice dust management measures.</p>		
B15	<p>The Applicant must:</p> <p>a) not commence operation of any of the new infrastructure approved under MOD 11 until the Air Quality Management Plan required by Condition B14 is approved by the Planning Secretary; and</p> <p>b) implement the most recent version of the Air Quality Management Plan approved by the Planning Secretary for the duration of the development.</p>	Y	No construction has commenced on site.
B16	<p>Prior to any increase in production at the concrete batching plant (as approved under MOD 11 to this consent) the Applicant must review and improve existing dust control measures on the site to ensure:</p> <p>(a) the premises is maintained in a condition that minimizes the emission of dust and silt loading on paved surfaces; and</p> <p>(b) all reasonable and feasible best practice measures are</p>	Y	Refer to Section 3.2.1

Condition No.	Condition Summary	Complied with Y/N	Comments
	implemented to minimise dust generated during operations. Evidence of this review and details of any improvements must be submitted to the Secretary for approval prior to any increase in production at the concrete batching plant (as approved under MOD 10 to this consent).		
B17	No stockpile on site should exceed a height of 4m above ground level or the combined height of the concrete barrier and green mesh fencing, whichever is the lesser.	Y	No construction has commenced on site.
B18	Within six months of the determination of MOD 11, unless otherwise agreed to by the Planning Secretary, the Applicant must install a wheel wash system at the eastern site entrance.	Y	A wheel wash has been installed at the weighbridge following Mod 10 approval and continues to be operational
B19	Prior to the operation of any new infrastructure approved under MOD 11 the Applicant must establish up to three off-site real-time dust monitors in the vicinity of sensitive receptors R3 and R4 (as identified in Figure 7.1 of the Environmental Assessment for MOD 11). The monitors must: (a) allow for upwind and downwind measurements; (b) monitor real-time particulate matter concentrations; and (c) be sited in a suitable location agreed to by the Planning Secretary. Monitoring requirements, response trigger criteria and response procedures must be incorporated into the AQMP required by Condition B13.	Y	No construction has commenced on site.
B20	Within two months of the determination of MOD 11, the Applicant must submit all historical data from the existing depositional dust gauges to the EPA.	Y	Historical data for the existing depositional dust gauges were sent to the EPA on the 29/03/2019.
B21	The Applicant must comply with the hours detailed in Table 2, unless otherwise agreed in writing by the Planning Secretary. Earthworks & construction: Mon-Fri 7am to 6pm, Sat 8am to 1pm Operation: Mon-Sun 24 hour	N/A	Noted.

Condition No.	Condition Summary	Complied with Y/N	Comments
B22	Works outside of the hours identified in Condition B21 may be undertaken in the following circumstances: a) works that are inaudible at the nearest sensitive receivers; b) for the delivery of materials required outside these hours by the NSW Police Force or other authorities for safety reasons; or c) where it is required in an emergency to avoid the loss of lives, property or to prevent environmental harm.	Y	No construction has commenced on site.
B23	The development must be constructed to achieve the construction noise management levels detailed in the Interim Construction Noise Guideline (DECC, 2009) (as may be updated or replaced from time to time). All feasible and reasonable noise mitigation measures must be implemented throughout construction.	Y	No construction has commenced on site.
B24	The Applicant must ensure that operational noise from the development does not exceed the noise limits presented in Table 3. Bellevue St: 42dB(A) LAeq(15min) Yelverton St: 44dB(A) LAeq(15min)	Y	No excessive noise has been generated by site operations in the previous year. No noise complaints have been received at the site for the previous reporting year.
B25	Vibration caused by construction at any residence or structure outside the site must be limited to: a) for structural damage, the latest version of DIN 4150-3 (1992-02) Structural vibration - Effects of vibration on structures (German Institute for Standardisation, 1999); and b) for human exposure, the acceptable vibration values set out in the Environmental Noise Management Assessing Vibration: a technical guideline (DEC, 2006) (as may be updated or replaced from time to time).	Y	No construction has commenced on site.
B26	The Applicant must maximise the use of rail freight for quarry product delivery wherever reasonably practicable.	Y	Train deliveries have increased from 2 to 3 or 4 trains per day during the reporting period.
B27	The Department may require, at the Applicant's expense, an independent audit of rail use for quarry product delivery if it considers that rail use has not been used wherever reasonably practicable.	N/A	Noted

Condition No.	Condition Summary	Complied with Y/N	Comments
B28	The Applicant must ensure that the rail siding and ancillary works are maintained to a standard which facilitates their use for materials handling and transport at all times.	N/A	Noted.
B29	Install, maintain suitable erosion and sediment control measures on-site.	N/A	No construction has commenced on site.
B30	The Applicant must ensure all roof and surface storm water from the site and any catchment external to the site that presently drains into the site is collected in a system of pits and pipelines/channels and major storm event surface flow paths and discharged to a Sydney Water controlled storm water drainage system.	Y	Covered in the Surface Water Management Plan which forms part of the EMMP which has been submitted, but not yet approved by the DPIE. Will be addressed for Stage 2 works.
B31	Prior to the commencement of operation of MOD 11 works the Applicant must design, install and operate the upgraded stormwater management system for the development. The system must: (a) be designed by a suitably qualified and experienced person(s); (b) be generally in accordance with the conceptual design in the MOD 11 EA; (c) be in accordance with applicable Australian Standards; and (d) ensure that the system capacity has been designed in accordance with Australian Rainfall and Runoff (Engineers Australia, 2016).	Y	Covered in the Surface Water Management Plan which forms part of the EMMP which has been submitted, but not yet approved by the DPIE. Will be addressed for Stage 2 works.
B32	Prior to the commencement of operation of infrastructure works approved under MOD 11, the Applicant must prepare a Surface Water Management Plan to the satisfaction of the Planning Secretary. The Plan must form part of the updated EMMP required by Condition C5 and must: (a) be prepared by a suitably qualified and experienced person(s); (b) describe the surface water management system; (c) be consistent with the surface water management system	Y	Covered in the Surface Water Management Plan which forms part of the EMMP which has been submitted, but not yet approved by the DPIE. Will be addressed for Stage 2 works.

Condition No.	Condition Summary	Complied with Y/N	Comments
	<p>described in the 'Surface Water Assessment' prepared by EMM on behalf of Boral Resources (NSW) Pty Ltd dated 28 June 2018 (Appendix G of the MOD 11 Environmental Assessment)..</p> <p>(d) include a program to monitor:</p> <ul style="list-style-type: none"> (i) surface water flows and quality; (ii) surface water storage and use; and (iii) sediment basin and bio retention system operation; <p>(e) surface water impact assessment criteria, including trigger levels for investigating and potential adverse surface water impacts; and</p> <p>(f) a protocol for the investigation and mitigation of identified exceedances of the surface water impact assessment criteria; and</p> <p>(g) a maintenance program for all surface water management infrastructure.</p>		
B33	<p>Prior to the commencement of operation of infrastructure works approved under MOD 11, the Applicant must update the Flood Emergency Response Plan to the satisfaction of the Planning Secretary. The Plan must form part of the updated EMMP required by Condition C5 and must:</p> <ul style="list-style-type: none"> (a) be prepared by a suitably qualified and experienced person(s); (b) address the provisions of the Floodplain Risk Management Guideline (OEH, 2007); (c) include details of: <ul style="list-style-type: none"> (i) the flood emergency responses for both construction and operation phases of the development; (ii) predicted flood levels; (iii) flood warning time and flood notification; (iv) assembly points and evacuation routes; 	Y	A Flood Emergency Response Plan has been created as part of the EMMP. The EMMP has been submitted but not yet approved by the DPIE.

Condition No.	Condition Summary	Complied with Y/N	Comments
	(v) evacuation and refuge protocols; and (vi) awareness training for employees and contractors.		
B34	The Applicant must: a) not commence operation until the Flood Emergency Response Plan required by Condition B33 is approved by the Planning Secretary; and b) implement the most recent version of the Flood Emergency Response Plan approved by the Planning Secretary for the duration of the development.	Y	A Flood Emergency Response Plan has been created as part of the EMMP. The EMMP has been submitted but not yet approved by the DPIE.
B35	Buildings, plant and equipment including material storage areas must be set at a minimum height of 500mm above the 1 % Annual Exceedance Probability (AEP) flood event for Alexandra Canal. Details of existing and proposed site levels and means of providing 500mm freeboard above the 1% AEP flood event must be submitted to Council with the Building Application. Variations below 500mm must only be with the written agreement of Council's Director, Technical Services.	Y	All buildings and plant are as per the conditions.
B36	Prepare a Dewatering Report for the development. The plan must detail the volume of groundwater taken and include details of any impacts (and associated mitigation measures) that have occurred as a result of groundwater take. The report must be submitted to the DoI Lands and Water Division.	Y	No construction has commenced on site.
B37	Any new works, including additional car parks, within 40 metres of the top of the bank of Alexandra Canal, must consider the requirements of the Guidelines for Riparian Corridors on Waterfront Land (DPI, 2018).	Y	No construction has commenced on site.
B38	Garbage must be stored in a location approved by Council and be disposed of in an approved manner. All liquid wastes (other than stormwater) must be discharged to the sewer in accordance with the requirements of the Sydney Water Corporation.	Y	All garbage and liquid waste on site is appropriately stored and disposed of in accordance with the consent conditions.
B39	All waste materials associated with the operation of the proposal	Y	All garbage and liquid waste on site is appropriately stored and

Condition No.	Condition Summary	Complied with Y/N	Comments
	must be stored in suitably constructed and enclosed containers or similar facilities on the premises in a neat and tidy manner and at all times.		disposed of in accordance with the consent conditions.
B40	Prior to the commencement of construction, the Applicant must prepare a Construction and Demolition Waste Management Plan for the development to the satisfaction of the Planning Secretary. The Plan must form part of a CEMP in accordance with Condition C2 and must: (a) detail the quantities of each waste type generated during construction and the proposed reuse, recycling and disposal locations; and (b) be implemented for the duration of construction works.	Y	A Construction and Demolition Waste Management Plan has been created for the development and forms part of the CEMP. However, no construction has commenced on site.
B41	The Applicant must: a) not commence construction until the Construction and Demolition Waste Management Plan is approved by the Planning Secretary. b) implement the most recent version of the Construction and Demolition Waste Management Plan approved by the Planning Secretary.	Y	No construction has commenced on site.
B42	All wash down areas, the truck washing facility and all other areas likely to be contaminated must be isolated from the stormwater drainage system in accordance with the 'Surface Water Assessment' prepared by EMM for Boral Resources (NSW) Pty Ltd dated 28 June 2018 (Appendix G of the MOD 11 Environmental Assessment).	Y	All areas likely to be contaminated are contained for reuse within the concrete batching process.
B43	Prior to any increase in production at the concrete batching plant (as approved under MOD 10 to this consent) the Applicant must submit to the Secretary for approval evidence of best practice refuelling procedures for the refuelling of site-based mobile plant to ensure appropriate containment and management of spills.	N/A	As production on the site has not increased yet, this condition does not yet apply. However Boral will provide evidence of best practice refuelling before the end of the financial year
B44	The Applicant must ensure that the quantities of Dangerous Goods present on-site or transported to and from the development are	Y	Covered in the sites EPP. See Appendix 1

Condition No.	Condition Summary	Complied with Y/N	Comments
	below the screening threshold quantities listed in the Department of Planning's <u>Applying SEPP 33 Guidelines (2011)</u> at all times.		
B45	The Applicant must store all chemicals, fuels and oils used on-site in accordance with: a) the requirements of all relevant Australian Standards; and b) the NSW EPA's Storing and Handling of Liquids: Environmental Protection – Participants Handbook if the chemicals are liquids. In the event of an inconsistency between the requirements listed from (a) to (b) above, the most stringent requirement prevails to the extent of the inconsistency.	Y	Covered in the sites EPP. See Appendix 1
B46	The landscaping of the site must be maintained at all times, to the satisfaction of Council. This includes suitable perimeter landscaping adjacent to Burrows Road South and a 10 metre wide landscaped buffer strip adjacent to the Alexandra Canal.	Y	Quarterly maintenance of landscaped areas along Burrows Road South and Alexandra Canal is conducted by external contractors.
B47	Lighting at the site must not cause hazard to aircraft using Sydney Kingsford Smith airport. Any change in lighting at the site must be undertaken in consultation with and to the approval of Sydney Airport Corporation Limited.		No changes to the lighting on site have occurred in the previous year.
C1	Management plans required under this consent must be prepared in accordance with relevant guidelines, and include: (a) Details of: (i) The relevant statutory requirements (including any relevant approval, licence or lease Conditions); (ii) Any relevant limits of performance measures and criteria; and (iii) The specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures (b) A description of the measures to be implemented to comply	N/A	Noted.

Condition No.	Condition Summary	Complied with Y/N	Comments
	<p>with the relevant statutory requirements, limits or performance measures and criteria;</p> <p>(c) A program to monitor and report on the:</p> <ul style="list-style-type: none"> (i) Impacts and environmental performance of the development; and (ii) Effectiveness of the management measures set out pursuant to paragraph (c) above; <p>(d) A contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly possible;</p> <p>(e) A program to investigate and implement ways to improve the environmental performance of the development over time;</p> <p>(f) A protocol for managing and reporting any:</p> <ul style="list-style-type: none"> (i) Incident and any non-compliance (specifically including any exceedance of the impact assessment criteria and performance criteria): (ii) Complaint; (iii) Failure to comply with statutory requirements; and <p>(g) A protocol for periodic review of the plan</p>		
C2	The applicant must prepare a Construction Environmental Management Plan (CEMP) in accordance with the requirements of Condition C1 and to the satisfaction of the Planning Secretary	Y	A Construction Environmental Management Plan has been prepared in accordance with Condition C1. It has not been approved by the Planning Secretary.
C3	<p>As part of the CEMP required under Condition C2 of this consent, the Applicant must include the following:</p> <ol style="list-style-type: none"> 1) Construction Traffic Management Plan 2) Erosion and Sediment Control Plan 3) The Vibration Monitoring Plan, Modification 11, Boral St Peters, prepared by EMM, dated 27 November 2018 4) Construction and Demolition Waste Management Plan 	Y	A Construction Environmental Management Plan has been prepared, however construction has not commenced on site.

Condition No.	Condition Summary	Complied with Y/N	Comments
	5) Noise Management 6) Dewatering Management; and 7) Community Consultation and Complaints Handling		
C4	The Applicant must: a) not commence construction of the new infrastructure approved under MOD 11 until the CEMP is approved by the Planning Secretary; and b) carry out the construction of the development in accordance with the CEMP approved by the Planning Secretary and as revised and approved by the Planning Secretary from time to time.	Y	No construction has commenced on site.
C5	Prior to the commencement of operation of any infrastructure works approved under MOD 11, the Applicant must update the existing Environment Management and Monitoring Plan (EMMP) for the site. The updated Plan must show how dust, noise, vibration, traffic and water quality impacts will be measured, monitored, managed and mitigated. The Plan is to include, but not be limited to, the following: (a) A description of the role, responsibility, authority and accountability of key personnel involved in the environmental management of the development; (b) A description of the procedures that would be implemented to: i) Keep the local community and relevant agencies informed about the operation and environmental performance of the development; ii) Receive, handle, respond to and record complaints; iii) Resolve any disputes that may arise; iv) Respond to any non-compliance v) Respond to emergencies; and (c) Baseline background dust, noise and water quality data; (d) A contingency plan to manage any unpredicted impacts and	Y	The EMMP has been finalised and submitted to the DPIE on 30/04/2019. It has not been approved yet by the DPIE. No construction has commenced on site.

Condition No.	Condition Summary	Complied with Y/N	Comments
	their consequences (e) Refuelling procedures for site-based mobile plant; and (f) The following management plans: (i) Traffic Management Plan (ii) Air Quality Management Plan (iii) Surface Water Management Plan (iv) Flood Emergency Response Plan		
C6	The Applicant must: a) not commence operation of any MOD 11 infrastructure works until the updated EMMP is approved by the Planning Secretary; and b) Operate the development in accordance with the updated EMMP approved by the Planning Secretary (and as revised and approved by the Planning Secretary from time to time).	Y	No construction has commenced on site.
C7	Within three months of: (a) The submission of an Annual Review under Condition xx; (b) The submission of an incident report under Condition xx; (c) The approval of any modification of the conditions of this consent or (d) The issue of a direction of the Planning Secretary, the strategies, plans and programs required under this consent must be reviewed.	Y	EMMP was submitted to the DPIE on 30/04/2019.
C8	If necessary to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Planning Secretary. Where revisions are required, the revised document must be submitted to the Planning Secretary for approval within six weeks of the review.	N/A	Noted
C9	Within 12 months of the approval of MOD 10, and each subsequent	Y	This Annual Review satisfies the items of the condition.

Condition No.	Condition Summary	Complied with Y/N	Comments
	<p>calendar year, the Applicant must review the environmental performance of the development to the satisfaction of the Planning Secretary. This review must:</p> <ul style="list-style-type: none"> (a) Describe the development that was carried out in the previous calendar year and the development that is proposed to be carried out over the next year; (b) Include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against the: <ul style="list-style-type: none"> i. The relevant statutory requirements, limits or performance measures/criteria; ii. Requirements of any plan or program required under this consent; iii. The monitoring results of previous years; and iv. The relevant predictions in the EIS and/subsequent modifications; (c) Identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance; (d) Identify any trends in the monitoring data over the life of the development; (e) Identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and (f) Describe what measures will be implemented over the next year to improve the environmental performance of the development. 		
C10	The Department must be notified in writing to compliance@planning.nsw.gov.au immediately after the Applicant becomes aware of an incident. The notification must identify the	N/A	Noted

Condition No.	Condition Summary	Complied with Y/N	Comments
	development (including the development application number and the name of the development if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given and reports submitted in accordance with the requirements set out in Appendix 2		
C11	The Department must be notified in writing to compliance@planning.nsw.gov.au within seven days after the Applicant becomes aware of any non-compliance.	Y	A non-compliance in writing was sent to the Department within seven days after we became aware of any non-compliance.
C12	A non-compliance notification must identify the development and the application number for it, set out the Condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.	Y	The non-compliance notification identified the development and application number for it. The non-compliance was for A6 of the DA 14/96 MOD 11 conditions.
C13	A non-compliance which has been notified as an incident does not need to also be notified as a noncompliance.	N/A	Noted.
C14	At least 48 hours before the commencement of construction until the completion of all works under this consent the Applicant must: <ul style="list-style-type: none"> (a) Make the following information and documents (as they are obtained or approved) publically available on its website: <ul style="list-style-type: none"> (i) All current statutory approvals for the development; (ii) All approved strategies, plans and programs required under the Conditions of this consent; (iii) Regular reporting on the environmental performance of the development in accordance with the reporting requirements in any plans or programs approved under the Conditions of this consent (iv) A comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any Conditions of this consent, or any approved plans and programs; 	Y	No construction has commenced on site.

Condition No.	Condition Summary	Complied with Y/N	Comments
	<ul style="list-style-type: none"> (v) Contact details to enquire about the development or to make a complaint; (vi) A complaints register, updated monthly; (vii) The Compliance Report of the development; (viii) Audit reports prepared as part of any Independent Audit of the development and the Applicant's response to the recommendations in any audit report; (ix) Any other matter required by the Planning Secretary; and <p>(b) Keep such information up to date, to the satisfaction of the Planning Secretary</p>		

5 Comparison of impacts and performance against environmental assessment predictions

Table 3: Boral St Peters concrete plant and materials handling facility performance against EA predictions

Impact	EA Prediction	Performance During Reporting Period November 2018 – October 2019
Air Quality	Annual average increase of particulate matter deposition at sensitive receptors R3 and R4 of 3.0-3.7 g/m ² /month due to the modification of consent conditions.	<p>The mean results during the reporting period for Site 1, Site 3 and Site 4 were 9.38 g/m²/mth, 7.59 g/m²/mth and 5.65 g/m²/mth for insoluble solids.</p> <p>In comparison with the calendar year prior to the consent approval, this indicates an increase in dust concentrations at all three Sites (1, 3 and 4) when compared to the previous 12 months (Nov 2017 – Oct 2018)</p> <p>Mean dust deposition results are above the EPA Guidelines of 4 g/m²/mth for all three locations; however the predictions of the EA conducted by EMM in June 2016 indicated a predicted increase in deposited particulate matter of 3.0 – 3.7 g/m²/mth near sensitive receptors R3 and R4 due to the consent modification and the surrounding environment.</p> <p>The directional dust gauge 3A located directly adjacent to Site 3 indicated that the majority of the deposited dust during the reporting period came from a northerly (18.24 g/m²/mth) direction where there are several offsite dust generating activities including Transfleet container terminal, Boral Recycling and Visy recycling centre and a carpark for Sydney Airport Corporation Limited (SACL) staff members to the west of the site. The dust deposition results from the east (7.45 g/m²/mth) and south (6.72 g/m²/mth) were slightly lower, facing the site operations, indicating a high potential of impact from offsite dust generating activities. These results however do show a decrease from the previous reporting period (Nov 2017 – Oct 2018)</p>
Water	<ul style="list-style-type: none"> The modification is not anticipated to affect the sites surface water management system and its performance. The increase in concrete production from the CBP would result in a minor increase in water demand, which would be met by either recycled water from the site or potable water. 	<ul style="list-style-type: none"> The surface water management system has not been affected as there has not been an increase to production during this reporting period.

6 Non-compliance and corrective actions

Quarterly report on truck movements

The quarterly report was not sent to Council and the Planning Secretary throughout the reporting period due to a misinterpretation of the condition when setting up the compliance management documents at site following the approval of MOD 11. Boral tendered on the work for WestConnex Stage 3, however, was unsuccessful. The condition was interpreted to relate to increased traffic volumes as a result of Boral supplying the project and contributing to local traffic levels. Upon review of the condition in the annual compliance review for the sites Annual Review it was discovered that the condition applied regardless.

In response to the non-compliance, discussions have been held with the site on the interpretation of the condition, how the data will be gathered and who will report it to Council and the Planning Secretary each quarter. The data for the last year since MOD 11 is presented in this 2019 Annual Review (See Appendix 4). The sites Environmental Permit Planner has been updated to ensure that compliance with the condition is prompted every quarter. The first quarterly report will be sent to Council and the Planning Secretary at the end of April 2020.

7 Monitoring data trends

The only ongoing monitoring data trends available for the project are those for gravimetric dust deposition at monitoring Sites 1, 3 and 4, as outlined below.

7.1 Air Quality

During the reporting period the annual average for insoluble solids at the deposited dust monitoring sites 1, 3 and 4 were above the NSW EPA criteria of 4 g/m²/month. It is noted that this criteria is intended to be applied to offsite sensitive receptors, however these gauges are located on the operating site and are on occasions influenced by very localised dust generating activities. There is a potential for the onsite dust gauge results to be influenced by offsite dust generating activities. Gauges at sites 1 and 4 are located in close proximity to Burrows Road South where there is potential for exposure to dust generated by industrial activities and vehicle movements not associated with the concrete plant or materials handling facility. Dust gauges at site 3 and 4 are located along the western site boundary with the potential for exposure to dust generating activities and truck movements associated with the Visy recycling centre, Boral Recycling, and the Transfleet container terminal. The dust gauge at site 3 is located to the west of the site, adjacent to the construction of a carpark for SACL employees which was in its completion stages during this reporting period. To that extent, the recorded fallout rates are not necessarily representative of off-site dust levels or even widespread dust concentrations on the site.

A wheel wash was installed on the weighbridge during the reporting period to assist with fugitive dust along Burrows Road South. Combined with this, an increased number of sprinklers has also been installed on the site to help mitigate dust. However, even though there was a reduced level of dust during the reporting period, it was not enough to be below the NSW EPA criteria of 4 g/m²/month.

The implementation of the site EPP for the concrete plant and materials handling facility has increased the awareness and accountability for Boral staff and Managers to implement dust mitigation strategies in line with the current consent conditions. This increased awareness has been proven with the increase of dust mitigation activities on site, and the subsequent decrease of dust recorded in the dust gauges for the reporting period. Dust mitigation tasks incorporated in the EPPs include:

- All vehicles carrying materials to or from sites must have their loads covered;
- Ensure the site is maintained in a condition that minimises the emission of dust and silt loading on paved surfaces;
- Dust generation on paved surfaces should be controlled through regular sweeping, water flushing and water sprays; and
- Inspection of dust controls including checking water sprays, water cart and raw material storage.

Modification 11 proposes an additional two alleys on the existing concrete plant, as well as return conveyors to the terminal stockpiles. As a result, on site vehicles movements will decrease and hence Boral is expecting a further decrease in dust generation.

Figure 2, 3 and 4 provide a graphical representation of Sites 1, 3 and 4 gravimetric dust monitoring results in the current reporting period and previous calendar years in its entirety. The current reporting period saw a decrease in dust concentrations compared to the calendar year prior to the consent approval at all three dust gauge locations (Sites 1, 3 and 4). There is a slight increasing trend at Site 1, and a decreasing trend at Sites 3 and 4. Therefore the current dust mitigation measures on site are effective. Combined with increasing dust measures being implemented in the next reporting period, a further decreasing trend is expected for all 3 sites,

Figure 2 - St Peters Deposited Dust Results March 2016 - October 2019 - Site 1

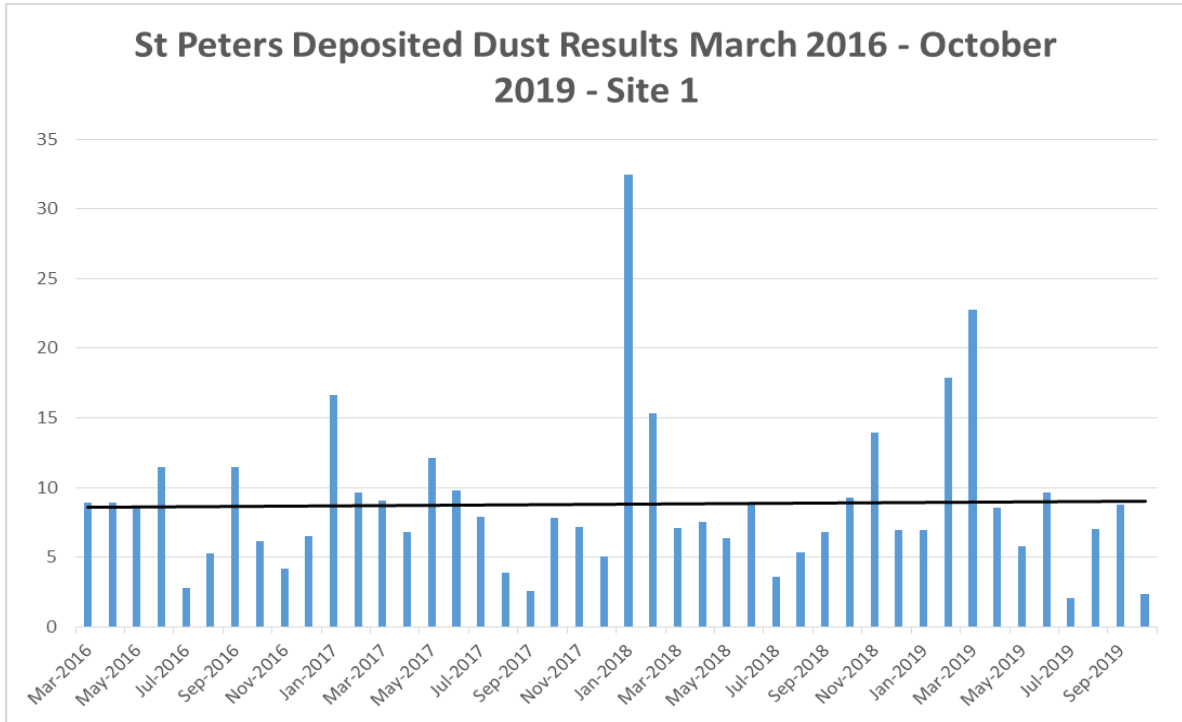


Figure 3 - St Peters Deposited Dust Results March 2016 - October 2019 - Site 3

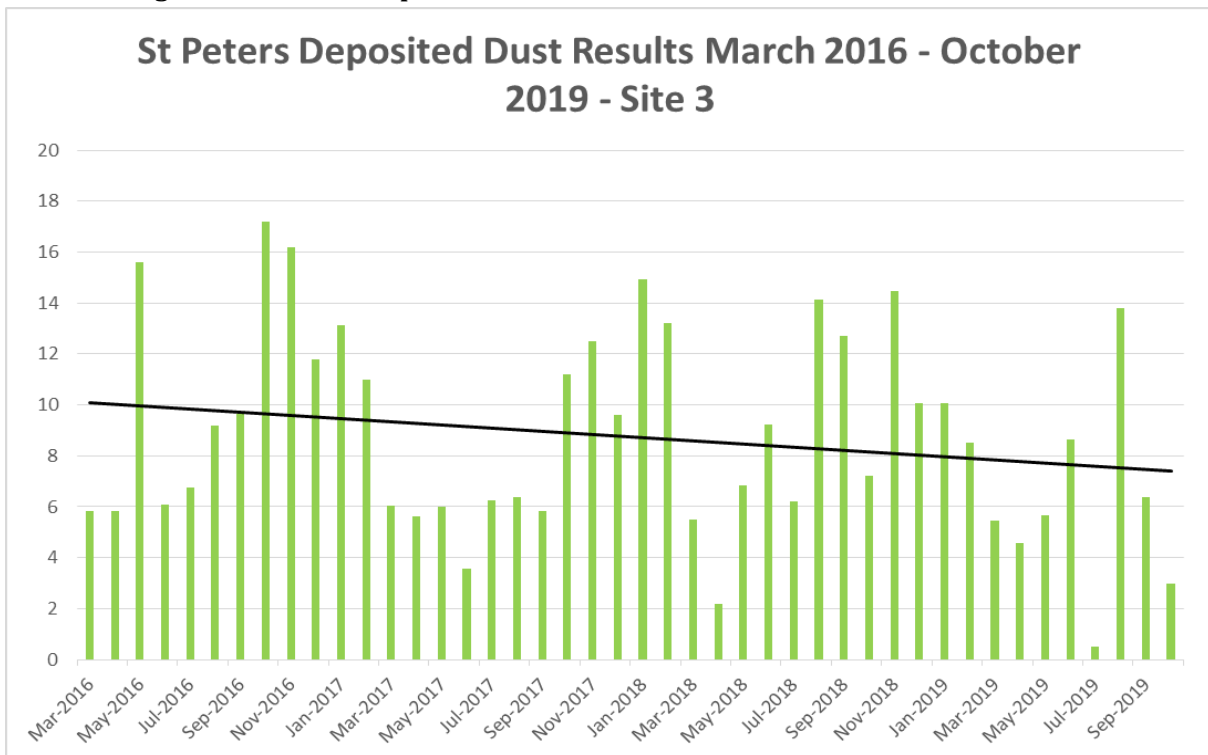
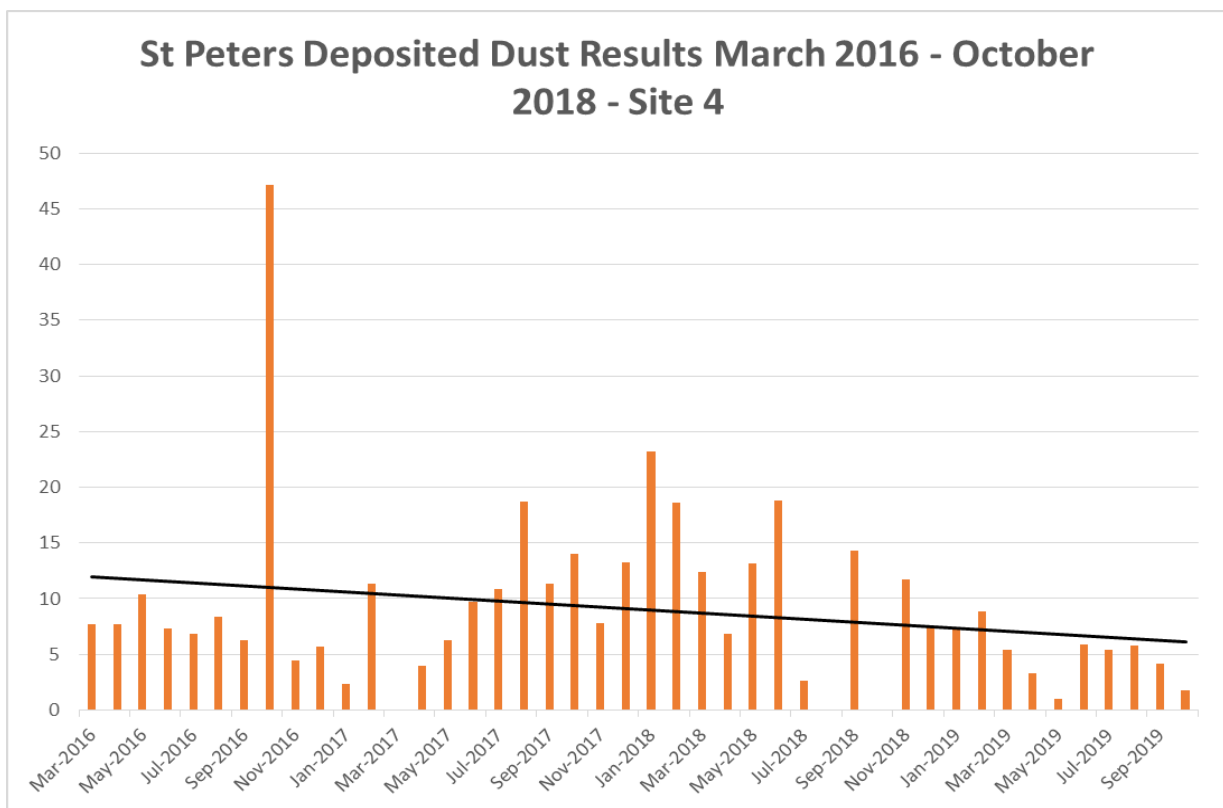


Figure 4 - St Peters Deposited Dust Results March 2016 - October 2018 - Site 4



8 Environmental management targets and strategies for the following 12 months

8.1 Dust minimisation

The site has implemented reasonable and feasible strategies to minimise dust on the site. This includes sprays on stockpiles, daily water cart use on internal sealed roads, material handling and loading in underground or enclosed conveyors and load bays, manual cleaning of the site by way of shovelling, sweeping or hosing and the implementation of traffic controls such as speed limits to reduce the suspension of dust particles.

A wheel wash has been installed near the eastern site entrance / exit in order to reduce fugitive dust emissions from the site in recognition of the requirements in condition B10 of the consent.

Upgrades to the site as presented in Modification 11 aim to reduce fugitive dust generation through the reduction of onsite truck movements in the materials handling facility area.

8.2 Water management

The water detention basins will be managed to maximise freeboard capacity in preparation for storm events. Water will continue to be treated and used where possible for dust suppression around site.

8.3 Future development applications

Due to the approval of Modification 11, the site is to install 2 additional load alleys at the existing concrete plant as well as various other site upgrades that will assist with the increase of concrete being produced, as well as minimise the impact to the surrounding environment.

Environmental Permit Planner: 2019

Site: St Peters Concrete



No.	Cond. Ref No.	Element	Required Action	Frequency	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	NEXT DUE
					Plan	Done	Plan	Done	Plan	Done	Plan	Done	Plan	Done	Plan	Done	
Permit Requirements																	
DA-1496 (Mod 11)																	
1	A6	General	The annual production of the CBP must not exceed 750,000 m ³	At all times													
2	A8	General	Maximum hourly truck movements during morning peak (7am - 9am) and afternoon peak (4pm - 6pm) does not exceed 38 hourly two-way movements in each period	At all times													
3	B10	General	All vehicles exiting the site must pass through an operational and efficient wheel wash and/or vibration grid	At all times													
4	B14	Air	Refer to Table 5.2.2 in the Environmental Management and Monitoring Plan for the air quality management measures	At all times													
5	B20	Water	Ensure all roof and surface stormwater from the site and any catchment external to the site that presently drains into the site is collected in a system of pits and pipelines channels and major storm event surface flow paths and discharged to a Sydney Water controlled stormwater drainage system	At all times													
7	B28	Waste	Garbage shall be stored in a location approved by the Council and be disposed of in an approved manner	At all times													
8	B42	Water	All wash down areas, truck wash facilities and other areas likely to be contaminated shall be isolated from the stormwater drainage system	At all times													
9	B46	General	All chemicals, fuels and oils used on-site must be installed in accordance with Australian Standards	At all times													
9	B47	General	Lighting from the site shall not cause hazard to aircraft using Sydney Kingsford Smith Airport	At all times													
10	C6	General	Complete an annual review of the environmental performance of the development to the satisfaction of the Planning Secretary by Environmental team	Annually													
11	C10	General	The Department must be notified in writing to compliance@planning.nsw.gov.au immediately after the Applicant becomes aware of an incident.	At all times													
12	C11	General	The Department must be notified in writing to compliance@planning.nsw.gov.au within seven days after the Applicant becomes aware of any non-compliance of the consent - 14/96	At all times													
DA-1496 (Mod 10)																	
12	12	Traffic	Provide and maintain of street car and truck parking spaces to cater for peak parking demands	At all times													
13	17	Dust	All vehicles carrying materials to or from the site must have their loads covered by tarpaulins or similar covers to prevent discharge of materials onto public roads	At all times													
14	20	Land	Landscaping of the site should be maintained at all times and should be monitored on a quarterly basis	Quarterly													
15	29	Waste	All liquid waste (other than stormwater) shall be discharged into the sewer	As required													
16	32	General	All spills associated with refuelling activities should be adequately contained and managed	At all times													
17	33	General	All materials associated with the operation shall be stored in suitably constructed and enclosed containers or similar facilities in a neat and tidy manner	At all times													
18	33a	Dust	Ensure the site is maintained in a condition that minimises the emission of dust and silt loading on paved surfaces	At all times													
19	33b	Noise	The noise from the development should not exceed the development noise limits	At all times													
20	33-33b	General	Update the existing Environmental Management and Monitoring Plan for the site to show how odour, dust, noise and water impacts will be measured, monitored and mitigated	Annually													
Environmental Assessment-July 2016																	
21	2.7	Water	Ensure that rainfall in the CBP is being captured by the first flush system-as required	Monthly													
22	3.2	Noise	Onsite vehicle movements should not exceed 20 km/hr	At all times													
23	7.4	Dust	Dust generation on paved surfaces should be controlled through regular sweeping, water flushing and water sprays	Daily													
Standard Environmental Tasks:																	
24	Concrete	General	Report all incidents and community complaints ASAP, notify HSE Advisor and enter into SIMS	As required													
25	Concrete	General	Investigate all incidents and community complaints within 14 days	As required													
26	Concrete	General	Review environmental management system documentation (including 'Green Folder') is up to date	Annually													
27	Concrete	General	Review site emergency response plan	Annually													
28	Concrete	General	Undertake environmental training, tool box talks	Quarterly													
29	Concrete	General	Complete Monthly Environmental Checklist	Monthly													
30	Concrete	Air	Inspect dust controls - check water sprays, silt filters, pipes, stockpile height, material damp	Monthly													
31	Concrete	Air	Test pressure relief valve on silo	Quarterly													
32	Concrete	Air	Inspect and maintain pliers socks and burst protection sleeves (dust control devices)	As required													
33	Concrete	Waste	Complete and retain all regulated waste tracking documentation (retain min 5yrs - including concrete washout)	Monthly													
34	Concrete	Land	Check spill response equipment- spill kits full, MSDS and PPE available	Monthly													
35	Concrete	Land	Inspect bunds - all chemicals in bund, bund valve closed & locked, bunds empty & clean	Monthly													
36	Concrete	Land	Inspect workshop & chemical and fuel storage - clean up spills, tidy chemical storage (incl. batteries)	Monthly													
37	Concrete	Water	Inspect stormwater system - first flush pit has freeboard, settling pits have capacity, drains are clean, remove sediment	Monthly													
38	Concrete	Water	Test pH of water monthly during discharge offsite. Record results. Only test if discharge	Monthly													
39	Concrete	Water	Collect water samples twice annually and send to lab for analysis (quality)	Twice annually													
40	Concrete	Water	Inspect non return valve on town water	Annually													
41	Concrete	General	Inspect site entrance - sediment in gutters, sediment on road, rubbish around site	Monthly													
42	Concrete	General	Inspect site boundary - check for material leaving site	Monthly													
43	Concrete	General	Clean scrap yard - scrap metal, timber, tyres	Quarterly													
44	Concrete	Traffic	Ensure all vehicles have their concrete chute flaps locked in the closed position before exiting site	At all times													
Other Daily Tasks:																	
45	Concrete	Air	Hose or sweep site down daily	Daily													
46	Concrete	Air	Check and clean any dust, material or mud tracked onto road	Daily													
47	Concrete	Air	Check that there is no visible dust from site beyond site boundary	Daily													
48	Concrete	Air	Check trucks have covered loads, no loose sediment and fixed tailgates	Daily													
49	Concrete	Water	Inspect freeboard in pits at end of each day. Empty pits if required (20mm rainfall event capacity)	Daily													
Other Key Information																	
	B21	General	Operating hours (production and deliveries): 24 hours a day, 7 days a week														
		General	Production limits: The annual production of the CBP must not exceed 750,000 m ³														
		General	Material Storage: Cement: Cement Pallet: 3 X 140 tonne silos for SL Cement, 1 X 110 tonne silos for Enviro, 1 X 100 tonne silos for Flyash, 1 X 80 tonne silos for Zap Aggregates: 10 X 220T aggregate bins and 4 X 110T aggregate bins														
		General	Noise Limits: 45 dB at locations R1 - R2 55 dB at locations R3 - R7 70 dB at locations R8- R11														

Site Manager Monthly Sign Off

Appendix 2: Boral HSEQ environment inspection checklist



Environment Inspection Checklist GRP-HSEQ-3-03-F04

This checklist must be completed once a month, by an allocated person as decided by the Site Management. Actions arising from the inspection are to be listed in the spaces provided below, uploaded to SIMs and tracked by Site Managers. All completed checklists showing signed-off actions must be kept on file.

Division: <i>(BCM, BBP, Cement)</i>		Business Unit: <i>(Quarries)</i>		Date of Inspection:	
Site:					
Inspector Name:				Signature:	

Item	Checklist Item	Status			Comments
		C	NC	N/A	
GENERAL REQUIREMENTS					
1.	Inspect site entrance - <i>document sediment on road, rubbish, drag out – action clean up</i>				
2.	Inspect site boundary, <i>fence un-broken, fire tracks cleared as required etc.</i>				
3.	Check extraction boundaries are marked out and intact (<i>select N/A if not required</i>)				
4.	Emergency Response Plan (or PIRMP) up to date, tested and staff trained in the plan.				
WATER MANAGEMENT					
5.	Is there any water being discharged from the site, is it 'clear', has it been sampled? – <i>pH recorded, any exceedances (less than 6.5 more than 8.5 entered into SIMs as an environmental incident</i>				
6.	Inspect stormwater system - <i>basin settling capacity, drains, spill ways, bund walls, and are they clear from litter and sediment? Are they leaking?</i>				
7.	Are site wedge pits and first flush pits maintained, and free from sediment build up				
8.	No evidence of leaks (from taps/water lines and tanks)				
LAND MANAGEMENT					
9.	Any spills added to the site Contaminated Land Register				
10.	No vegetation cleared without approval as per GRP-HSEQ-8-03 Land Management				
WASTE MANAGEMENT					
11.	Designated Waste areas/bins available and labelled - <i>Recyclables (Cans, bottles, paper, steel and copper)</i> - <i>Oily waste (Rags, filters, empty containers)</i> - <i>General waste / Other</i>				
12.	Waste Register/ Records maintained and up to date detailing; <i>Waste Sources Quantities, Disposal Methods, Disposal Routes, location facility.</i>				
13.	No evidence of illegal dumping and stockpiling of waste on site – <i>report any to HSE</i>				
14.	Area tidy – good general housekeeping and no evidence of littering and rubbish.				
NOISE MANAGEMENT					
15.	Check activities, plant and equipment isn't causing un-usual or excessive noise				
16.	All noise complaints discussed at toolbox/pre start meetings recorded in SIMs. <i>Include SIMS numbers.</i>				
AIR MANAGEMENT					

Item	Checklist Item	Status			Comments
		C	NC	N/A	
17.	Dust / Odour complaints managed & brought up at next day's pre-start meetings and uploaded to SIMs. <i>Include SIMs number</i>				
18.	Air impacts included in recent SWMs				
19.	Dust controls in place and in working order such as – <i>Water Sprays, Water Carts, Bag Filters, Enclosed Equipment etc. record any broken, unworking systems or areas that require maintenance</i>				
20.	No Air Emission from broken down plant and machinery				
HYDROCARBON / SPILL MANAGEMENT					
21.	Spill response equipment available and full - <i>spill kits, MSDS, PPE</i>				
22.	Bunds used for the storage of Dangerous Goods <i>Able to capture 110% of stored liquid.</i>				
23.	Are bunds clean and free of liquids? <i>Bund not filled with rain water and able to hold storage within tanks</i>				
24.	Bund drain valves (if fitted) are closed and locked				
25.	Flammable liquids stored in designated area fitted with dry chemical or carbon dioxide extinguisher				
26.	Hydrocarbons (including waste containers) are clearly labelled, sealed and returned to bund/cabinet after use. <i>No fuel containers/paint tins lying around site.</i>				
27.	Batteries are stored on pallet above ground				
28.	Storage areas are appropriately signed				
29.	No evidence of spills/ contamination that have not been cleaned up				
30.	Any spills entered into SIMS <i>include SIMS number in comments.</i>				
31.	Underground Storage Tanks (USTs) – <i>Leak tested in the past 12 months, include date of last test, visually inspect integrity (no leaks)</i>				
32.	Above Ground Storage Tanks (ASTs) – <i>No visible leaks include in comments condition of valves, pumps, lines, and correct signage.</i>				
FLORA AND FAUNA MANAGEMENT					
33.	No major infestations of Weeds and Feral animals.				
34.	No evidence of animal interaction on site, No animals being fed on site. Any wildlife found on site communicated to site supervisor and wildlife hotline contacted for injured wildlife.				
HERITAGE MANAGEMENT					
35.	Any known heritage sites documented to staff, flagged on site and included in induction.				



Environment Inspection Checklist GRP-HSEQ-3-03-F04

Detail any items that require attention and/or remedial action. Actions are to be uploaded to SIMS as incident type 'Environmental'. The Site Manager must monitor progress and completion of actions.

Finding/Actions Required					
Item No.	Comment	Action Taken	By Who	By When	SIMs No.

Appendix 3: Heavy truck movements from the concrete batching plant from February 1 2019 – January 31 2020

Date	7:00am - 8:00am	8:00am- 9:00am	4:00pm - 5:00pm	5:00pm - 6:00pm
1/02/2019	18	40	20	8
2/02/2019	26	42	0	0
4/02/2019	32	38	14	2
5/02/2019	26	48	12	0
6/02/2019	28	44	14	0
7/02/2019	36	42	8	8
8/02/2019	24	38	20	2
9/02/2019	22	38	2	2
10/02/2019	2	0	2	4
11/02/2019	24	62	10	0
12/02/2019	24	52	22	2
13/02/2019	42	42	10	0
14/02/2019	46	44	14	4
15/02/2019	38	38	24	8
16/02/2019	24	20	0	0
18/02/2019	28	52	22	2
19/02/2019	18	46	14	0
20/02/2019	8	14	2	0
21/02/2019	38	44	4	0
22/02/2019	22	28	6	0
23/02/2019	28	42	0	0
25/02/2019	34	42	10	6
26/02/2019	36	44	18	22
27/02/2019	12	42	32	8
28/02/2019	22	54	34	2
1/03/2019	40	58	28	6
2/03/2019	40	42	2	0
4/03/2019	24	42	12	6
5/03/2019	44	32	18	4
6/03/2019	26	28	2	0
7/03/2019	16	48	16	2
8/03/2019	22	38	24	4
9/03/2019	44	46	0	0
11/03/2019	40	46	28	4
12/03/2019	22	46	4	2
13/03/2019	22	32	4	0
14/03/2019	18	52	6	2
15/03/2019	0	0	4	0
16/03/2019	28	42	0	0
18/03/2019	34	8	28	6

19/03/2019	30	42	18	2
20/03/2019	24	20	24	10
21/03/2019	26	36	0	0
22/03/2019	22	38	8	0
23/03/2019	36	36	6	2
25/03/2019	22	48	0	0
26/03/2019	14	38	18	4
27/03/2019	36	44	6	0
28/03/2019	26	56	30	2
29/03/2019	36	36	8	0
30/03/2019	8	28	2	0
31/03/2019	0	4	0	0
1/04/2019	22	46	8	0
2/04/2019	24	34	10	0
3/04/2019	32	48	46	18
4/04/2019	28	54	10	0
5/04/2019	28	46	14	2
6/04/2019	34	44	0	0
8/04/2019	26	32	20	6
9/04/2019	24	48	16	6
10/04/2019	40	40	14	2
11/04/2019	40	46	26	12
12/04/2019	52	38	10	2
13/04/2019	30	42	0	0
15/04/2019	26	48	14	2
16/04/2019	32	48	2	0
17/04/2019	32	46	24	18
18/04/2019	50	38	18	10
23/04/2019	18	40	2	0
24/04/2019	56	38	24	2
26/04/2019	24	18	0	0
27/04/2019	22	26	0	0
29/04/2019	16	42	6	0
30/04/2019	18	40	0	2
1/05/2019	30	26	2	0
2/05/2019	30	42	18	6
3/05/2019	18	28	0	0
4/05/2019	24	26	0	0
6/05/2019	24	44	22	8
7/05/2019	24	38	16	0
8/05/2019	30	42	8	2
9/05/2019	30	38	6	2
10/05/2019	34	40	36	36
11/05/2019	24	36	0	0
12/05/2019	0	0	0	0
13/05/2019	34	32	10	0

14/05/2019	44	34	0	0
15/05/2019	24	60	6	0
16/05/2019	20	22	20	0
17/05/2019	24	34	10	6
18/05/2019	44	22	0	0
20/05/2019	14	26	6	2
21/05/2019	36	40	2	0
22/05/2019	38	40	4	2
23/05/2019	42	34	4	2
24/05/2019	24	32	4	0
25/05/2019	26	52	0	0
26/05/2019	0	0	0	0
27/05/2019	32	26	0	0
28/05/2019	50	22	16	2
29/05/2019	38	36	2	2
30/05/2019	46	48	20	0
31/05/2019	38	42	26	4
1/06/2019	44	28	0	0
3/06/2019	22	44	4	0
4/06/2019	8	16	0	0
5/06/2019	18	20	8	6
6/06/2019	20	24	20	8
7/06/2019	34	32	6	0
8/06/2019	24	30	0	0
11/06/2019	26	24	0	0
12/06/2019	22	44	4	2
13/06/2019	36	48	10	8
14/06/2019	28	40	6	0
15/06/2019	46	44	0	0
17/06/2019	18	10	0	0
18/06/2019	30	30	2	0
19/06/2019	10	52	12	0
20/06/2019	44	26	42	8
21/06/2019	42	38	28	0
22/06/2019	20	52	10	0
24/06/2019	2	0	4	8
25/06/2019	20	36	4	0
26/06/2019	4	26	8	0
27/06/2019	20	26	8	0
28/06/2019	38	42	6	0
29/06/2019	38	46	0	0
30/06/2019	4	6	0	0
1/07/2019	58	38	24	10
2/07/2019	50	32	22	2
3/07/2019	38	34	6	0
4/07/2019	28	36	2	0

5/07/2019	18	30	2	0
6/07/2019	16	32	0	0
8/07/2019	34	40	6	0
9/07/2019	46	56	2	0
10/07/2019	26	44	22	14
11/07/2019	34	34	16	0
12/07/2019	54	20	6	4
13/07/2019	24	40	0	0
15/07/2019	34	30	12	4
16/07/2019	34	30	6	0
17/07/2019	30	44	10	0
18/07/2019	24	40	16	6
19/07/2019	40	50	2	4
20/07/2019	26	42	0	0
21/07/2019	0	0	0	0
22/07/2019	50	32	20	16
23/07/2019	42	36	4	6
24/07/2019	36	32	12	0
25/07/2019	26	32	2	0
26/07/2019	28	36	22	8
27/07/2019	40	28	4	0
29/07/2019	40	48	4	8
30/07/2019	20	28	8	4
31/07/2019	46	32	14	0
1/08/2019	26	46	10	2
2/08/2019	24	24	4	0
3/08/2019	24	40	6	6
5/08/2019	48	28	2	0
6/08/2019	38	44	22	4
7/08/2019	36	40	28	8
8/08/2019	34	30	0	0
9/08/2019	44	36	0	0
10/08/2019	30	30	0	0
11/08/2019	0	0	0	0
12/08/2019	38	40	2	0
13/08/2019	60	42	4	0
14/08/2019	38	34	4	0
15/08/2019	40	44	22	6
16/08/2019	32	40	14	0
17/08/2019	14	48	0	0
18/08/2019	0	0	0	0
19/08/2019	58	32	0	0
20/08/2019	26	44	22	0
21/08/2019	42	32	4	0
22/08/2019	30	42	4	0
23/08/2019	56	52	12	6

24/08/2019	40	52	2	0
25/08/2019	4	0	0	0
26/08/2019	8	32	6	0
27/08/2019	28	48	4	0
28/08/2019	38	34	8	0
29/08/2019	42	62	0	0
30/08/2019	2	10	0	0
31/08/2019	30	52	0	0
2/09/2019	30	52	22	8
3/09/2019	52	42	32	10
4/09/2019	28	56	20	8
5/09/2019	26	52	14	2
6/09/2019	32	48	0	8
7/09/2019	30	32	0	0
9/09/2019	42	44	12	8
10/09/2019	34	62	14	0
11/09/2019	50	46	4	2
12/09/2019	52	48	8	0
13/09/2019	32	50	22	2
14/09/2019	34	54	0	0
16/09/2019	38	38	10	2
17/09/2019	6	4	0	0
18/09/2019	12	12	0	0
19/09/2019	2	6	2	6
20/09/2019	34	36	0	0
21/09/2019	26	38	0	0
23/09/2019	46	64	4	0
24/09/2019	34	36	18	2
25/09/2019	34	40	14	2
26/09/2019	40	24	18	6
27/09/2019	30	50	12	2
28/09/2019	42	30	0	0
30/09/2019	46	44	26	8
1/10/2019	44	58	26	4
2/10/2019	42	46	6	0
3/10/2019	28	32	8	0
4/10/2019	48	38	6	2
5/10/2019	6	6	0	0
8/10/2019	30	22	0	0
9/10/2019	22	34	12	0
10/10/2019	38	40	12	12
11/10/2019	30	42	6	0
12/10/2019	46	36	0	0
14/10/2019	44	44	14	6
15/10/2019	42	38	8	0
16/10/2019	24	44	0	0

17/10/2019	28	56	18	6
18/10/2019	50	38	12	0
19/10/2019	32	36	0	0
21/10/2019	38	52	2	0
22/10/2019	14	20	10	2
23/10/2019	20	44	10	0
24/10/2019	50	44	26	0
25/10/2019	24	32	0	2
28/10/2019	42	46	2	0
29/10/2019	32	38	0	0
30/10/2019	30	36	2	0
31/10/2019	42	46	6	8
1/11/2019	32	46	6	0
2/11/2019	44	28	0	0
4/11/2019	36	42	2	0
5/11/2019	42	38	10	0
6/11/2019	48	40	12	2
7/11/2019	52	34	12	4
8/11/2019	56	20	0	0
9/11/2019	36	36	0	0
11/11/2019	34	40	8	0
12/11/2019	40	34	0	0
13/11/2019	36	34	2	0
14/11/2019	28	36	14	8
15/11/2019	46	44	10	4
16/11/2019	36	38	0	0
18/11/2019	48	38	14	0
19/11/2019	40	24	0	0
20/11/2019	44	34	2	0
21/11/2019	38	24	0	0
22/11/2019	32	32	0	0
23/11/2019	40	48	0	0
25/11/2019	44	30	2	0
26/11/2019	20	38	16	2
27/11/2019	50	34	10	6
28/11/2019	28	28	20	0
29/11/2019	44	18	8	0
30/11/2019	20	30	0	0
2/12/2019	30	20	0	0
3/12/2019	38	44	4	0
4/12/2019	30	14	4	0
5/12/2019	22	46	4	2
6/12/2019	38	24	10	0
7/12/2019	44	54	0	0
9/12/2019	40	52	6	0
10/12/2019	22	30	0	0

11/12/2019	42	42	14	0
12/12/2019	44	36	8	2
13/12/2019	48	44	10	10
14/12/2019	26	22	0	0
16/12/2019	54	26	12	6
17/12/2019	40	40	6	0
18/12/2019	48	22	16	0
19/12/2019	38	44	6	4
20/12/2019	38	30	6	4
21/12/2019	14	24	0	0
23/12/2019	20	24	0	0
24/12/2019	10	14	0	0
2/01/2020	0	2	0	0
3/01/2020	0	0	0	0
4/01/2020	8	4	0	0
6/01/2020	18	30	0	0
7/01/2020	18	40	0	2
8/01/2020	16	6	0	0
9/01/2020	36	26	2	0
10/01/2020	42	22	0	0
11/01/2020	26	26	0	0
13/01/2020	56	54	22	6
14/01/2020	36	38	4	2
15/01/2020	32	52	2	0
16/01/2020	12	16	0	0
17/01/2020	10	10	0	0
18/01/2020	4	12	0	0
20/01/2020	42	44	2	0
21/01/2020	32	38	0	0
22/01/2020	66	42	8	6
23/01/2020	44	34	2	0
24/01/2020	60	50	14	0
25/01/2020	24	18	0	0
28/01/2020	8	10	6	0
29/01/2020	44	46	8	2
30/01/2020	26	40	8	0
31/01/2020	40	60	10	2