ACT Government
Chief Minister, Treasury and Economic Development

Freedom of Information Disclosure Log Publication Coversheet

The following information is provided pursuant to section 28 of the *Freedom of Information Act 2016*.

Application Details	
Ref. No.	CMTEDDFOI 2023-333
Date of Application	18 October 2023
Date of Decision	20 November 2023
Processing time (in working days)	
Fees	N/A
Decision on Access	Partial Release
Information Requested (summary)	Information from the EPA regarding the operation of an asphalt process plant.

Publication Details				
Original application	☐	Published	☑	N/A
Decision notice	☐	Published	☑	N/A
Documents and schedule	☑	Published	☐	N/A
Decision made by Ombudsman	Varied			
Additional information identified by Ombudsman	No			
Decision made by ACAT	N/A			
Additional information identified by ACAT	N/A			

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FREEDOM OF INFORMATION REQUEST SCHEDULE

WHAT ARE THE PARAMETERS OF THE REQUEST	Reference NO.
...documents relating to the operation of an asphalt process plant by Downer EDI Works Pty Ltd (Downer EDI) located at 76 Alderson Place, Hume ACT (Plant). The operation of the Plant is regulated by: consent 2010/16647 and authorisation 0176..." 1. *the documents referred to in the Approval as the detailed air quality assessment to be undertaken pursuant to the 25/02/2010 advice received from the Conservator of Flora and Fauna in relation to the proposal (Part 3, page 5 of the Approval);* 2. *any approved amendments to the Authorisation impacting upon or in any way altering conditions addressing air quality and air emissions;* 3. *any reports, made in since 1 January 2018 to date, to the Environment Protection Authority (EPA) dealing with environmental harm from air omissions pursuant to conditions 7.1 – 7.3 of the Authorisation or generally;* 4. *any records of air pollution related incidents from or on the Plant and provided to the EPA by Downer EDI pursuant to conditions 7.4 or 7.5 of the Authorisation between the period 1 January 2018 to date;* 5. *any records of air pollution/odour complaints provided to the EPA by Downer EDI pursuant to Condition 8.1 or otherwise and made in since 1 January 2018 to date;* 6. *the environment management plan (EMP) accepted by the EPA prior to the commissioning of the Plant, and any approved variations to that EMP, as pursuant to Conditions 17.1 – 17.4;* 7. *the results of quarterly and/or annual air monitoring of the Plant's emissions undertaken by Downer EDI as required by the Authorisation and submitted to the EPA pursuant to condition 21 of the Authorisation since 1 January 2018;* 8. *all correspondence, if any between the period 1 January 2018 to date, between Downer EDI and the EPA in respect of compliance or non-compliance with conditions of the Authorisation relating to air emissions, air pollution or odour and changes to conditions of the Authorisation dealing with air emissions, air pollution or odour; and* 9. *copies of any prevention notices or prohibition orders issued since 1 January 2018 dealing with air emissions, air pollution or odour and documents evidencing compliance with any such notices.*	CMTEDDFOI 2023-333

Ref No	Page number	Description	Date	Status	Reason for Exemption	Online Release Status
1	1-14	Air Quality Impact Assessment	30 July 2020	Partial	Sch 2 s2.2 (a)(ii)	Yes
2	15-17	Application for EA	22 September 2020	Partial	Sch 2 s2.2 (a)(ii)	Yes
3	18-20	Internal Minute for Grant	December 2020	Partial	Sch 2 s2.2 (a)(ii)	Yes
4	21-30	EA Grant	December 2020	Partial	Sch 2 s2.2 (a)(ii)	Yes

5	31-32	Notice of EA Application	September 2020	Partial	Sch 2 s2.2 (a)(ii)	Yes
6	33	Notice of EA Application	December 2020	Partial	Sch 2 s2.2 (a)(ii)	Yes
7	34-68	Environmental Management Plan	February 2022	Partial	Sch 2 s2.2 (a)(ii)	Yes
8	69-82	Email correspondence – various	Various	Partial	Sch 2 s2.2 (a)(ii)	Yes
9	83-92	Emission Testing Report	January 2023	Partial	Sch 2 s2.2 (a)(ii)	Yes
10	92-102	Emission Testing Report	December 2021	Partial	Sch 2 s2.2 (a)(ii)	Yes
Total No of Docs						
10						

30 July 2020

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Southern Asphalt Services Pty Ltd
4/8 Victoria Street
Hall ACT 2618

Attention: Sch 2.2(a)(ii)

Dear Sch 2.2(a)(ii),

Proposed Asphalt Plant, HUME
5 Paspaley Street (Block 67 Section 22)

An Air Quality Impact Assessment (AQIA) was completed by SLR Consulting (SLR) for a proposed asphalt plant to be located at 5 Paspaley Street, Hume, in March 2020 (SLR Report). A peer review of the SLR Report was conducted by Northstar Air Quality Consultants (Northstar) on 15 July 2020.

A total of six issues were raised by Northstar, with two issues raised as low significance, three as medium significance and one as high a significance. This letter report aims to address all six issues raised by Northstar, and should be read in conjunction with the SLR Report (March 2020).

Yours sincerely

Sch 2.2(a)(ii)

Sch 2.2(a)(ii)
Associate Air Quality Consultant

Reviewed by:
KL (30-07-20)

1 Issue 1 - The sources of odour excluded from the assessment have not been appropriately justified (Medium)

Northstar Recommendation

Additional information is recommended to be provided which describes in detail the operation of the proposed plant, and where emissions of odour may be anticipated. Importantly, where no emissions are anticipated, the reasons for this should be fully discussed in terms of the materials being handled, best practice control measures to be implemented, and/or the contingencies in place should any failures in those measures eventuate.

SLR Response

The Benninghove/Wirtgen ECO 2000 Asphalt Plant proposed for the Project Site comes with a number of factory-fitted mitigation measures. An overview of the proposed plant is provided below:

1. All raw materials are metered into the dryer drum at the required quantities dependent upon the asphalt blend.

2. The asphalt blend is heated via the hot air flow in the dryer drum.

3. The air filtration system separates entrained dust particles from the hot air stream in a baghouse, allowing only the steam to exhaust to the atmosphere.

4. The dried and heated raw material blend (aggregates/crusher dust and sand) then enters the next phase of the process via the bucket elevator and passes over a set of sieves/screens into a graded hot material storage area.

5. The separated hot aggregate sizes and sand are metered into a receiving weigh hopper at the appropriate mix design quantities for the asphalt blend.

6. The required quantities of each component are fed into the mixing chamber (pugmill) and mixed for a fixed period of time (normally 30 seconds).

7. Bitumen is then mixed in within the pugmill, normally for a period of 45 to 60 seconds. The hot mix then drops into 2 x 26 tonne (and 1 x 8 tonne) insulated hot storage bins.

The SLR Report included quantification and modelling of dust, odour and VOC emissions from dryer stack, load out area, bitumen tanks, material handling and material transportation. The sources referred to by Northstar as being excluded are the hot mix silos and the conveyor from the drum to the hot mix silos.

The pugmill and hot mix silos in Benninghoven plants are fully enclosed and through the design of the plant are subject to negative pressure to ensure that no dust or vapours escape. This vacuum is maintained by the filtration system through a series of ducts and is a factory standard inclusion in Benninghoven plants. If there are any light ends (bitumen vapours) emitted from the hot mix within the hot mix bins, they must travel through a controlled dense build-up of dust attracted to the filtration fibre (known as 'filter cake') where they become trapped. The captured dust is pulsed (bags shaken) into the reclaimed dust cycles for reuse within the process.

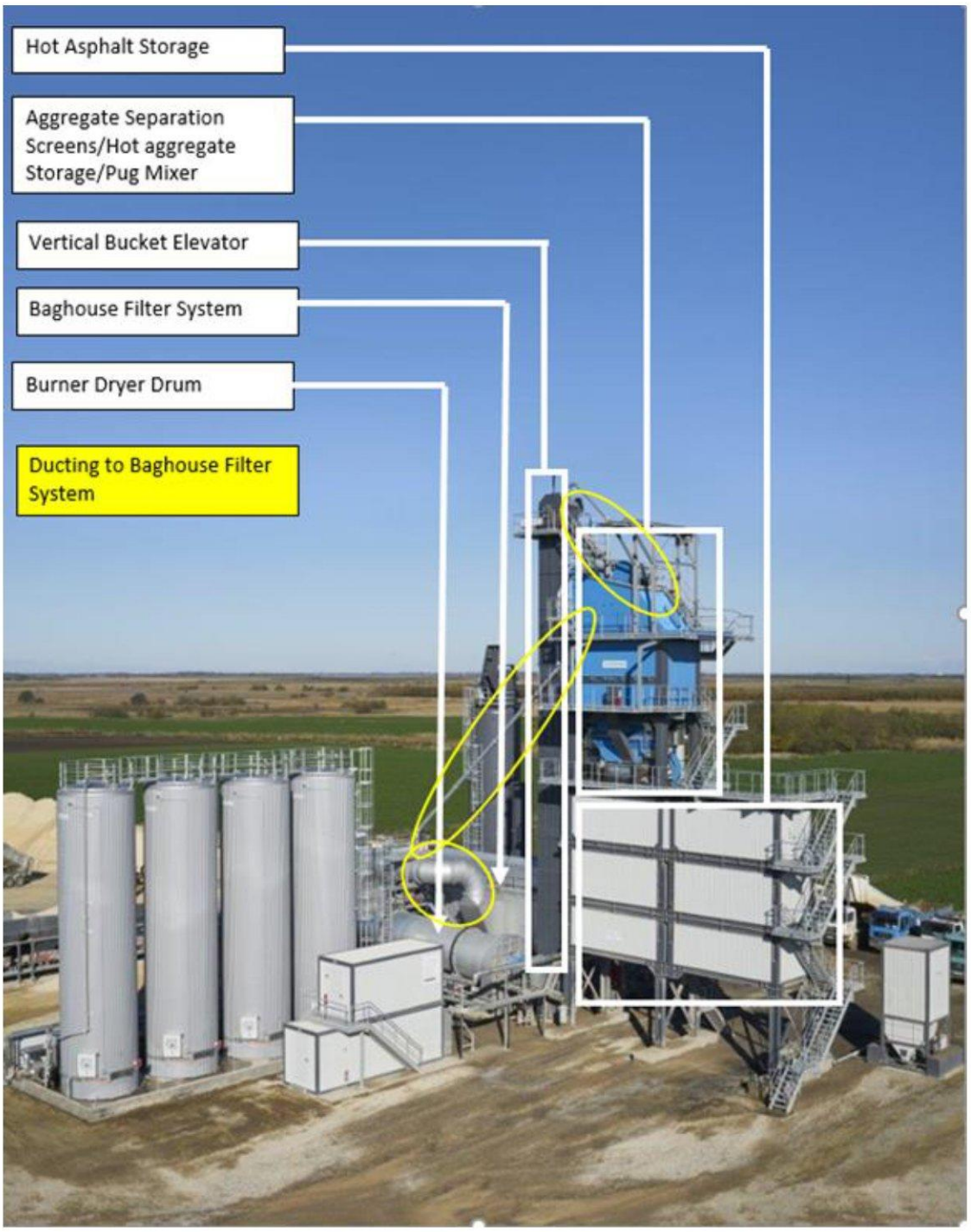
In summary, the proposed plant will be an enclosed process with the emissions captured in the baghouse and residual emissions released through the dryer stack as assessed in SLR Report. If the filtration system or baghouse is inoperable for any reason, the plant would not operate until it is fixed.

The following additional information has been provided from the asphalt plant supplier:

> *The Benninghoven ECO2000 has a series of technologies which allows it to have multiple points of differentiation from alternative asphalt plants (new and old). One point of difference is the closed negative pressure system which ensures all contaminated air (dust, odour and emissions) can only leave the asphalt plant after passing through the baghouse filter.*
>
> *Below is brief description of each component and a very simplistic explanation of how the closed system works.*
>
> ***1. Burner dryer drum**: The ECO2000 burner drum is connected to the baghouse filter system via ducting. The baghouse filtration vacuum system creates 6 Pa of negative pressure in the drum ensuring that all dust and moisture is removed. There are two openings, one for raw aggregates to enter and a second where the material exits the drum, both of which are also subject to negative pressure to ensure no air escapes from these openings. The quantity of suction from the baghouse filter will vary automatically via the electronic sensor to ensure no escaping contaminated air is possible from the dryer drum. Lower quality/older asphalt plants do not have the monitoring sensor connected in closed loop to a latest technology Variable Frequency Drive (VFD) for the main suction fan maintaining the negative pressure from the baghouse filter system. Without this feature, when the high moisture aggregates enter the drum, the moisture expands rapidly resulting in contaminated air leaving through the entry and exit point of the raw aggregates.*
>
> ***2. Vertical bucket elevator**: The entire vertical bucket elevator is enclosed and sealed. The bottom of the elevator is connected to the burner dryer drum allowing the 6 Pa of negative pressure to extend into the vertical bucket elevator. At the top of the vertical bucket elevator additional ducting is connected directly back to the baghouse filter system ensuring the top of the bucket elevator is also subject to 6 Pa of negative pressure. Some lower quality/older asphalt plants do not seal the vertical bucket elevator or maintain negative pressure resulting in the dust particles being released to the atmosphere (as well as increased loss of temperature which decreases the plants efficiency).*
>
> ***3. Aggregate separation screens/Hot aggregate storage/Pug mixer**: The top portion of the tower which includes the aggregate screens, hot aggregate storage and the pug mill mixer are all air sealed and is also connected via a duct running to the baghouse filter system. This maintains a 6 Pa of negative pressure. Lower quality/older asphalt plants do not have the aggregate separation screens/hot aggregate storage/pug mixer sealed under negative pressure. This results in quantities of dust to be released to the atmosphere during screening and mixing as well as the bitumen odour released during the mixing process.*
>
> ***4. Hot Asphalt Storage**: The transfer of asphalt from the pug mixer to the hot asphalt storage occurs in an enclosed and electronically interlocked space. When the pug mixer releases the asphalt, the negative pressure in the mixing tower causes the odour/emissions to be drawn back into the mixer which in turn makes its way to the baghouse filter system. Lower quality/older asphalt plants do not have an enclosed transfer location between the mixer and the storage or the residual negative pressure. This can result in escaping and possibly odorous hot air when each mixed load is dropped especially if the mix temperature is not controlled via a closed loop modern computer-controlled system.*

Figure 1 shows each process component described above and shows the connection points to the baghouse Filter System.

Figure 1 Air Extraction and Ducting System for Dust/Odour Emissions Control



2 Issue 2 - Adoption of odour emissions data limited to review of one study per emissions source (High)

Northstar Recommendation

In the first instance, a detailed review of odour emissions data for the relevant processes is recommended to be performed. Reliance on one source of emissions data may be appropriate, should those data be reflective of the operation of the proposed plant. However, should they not be demonstrably directly related, then a more detailed review of measured (not derived) odour emissions data for those processes should be performed. Consideration should be given to plant throughputs, stack exhaust temperatures, plant types and age, for example.

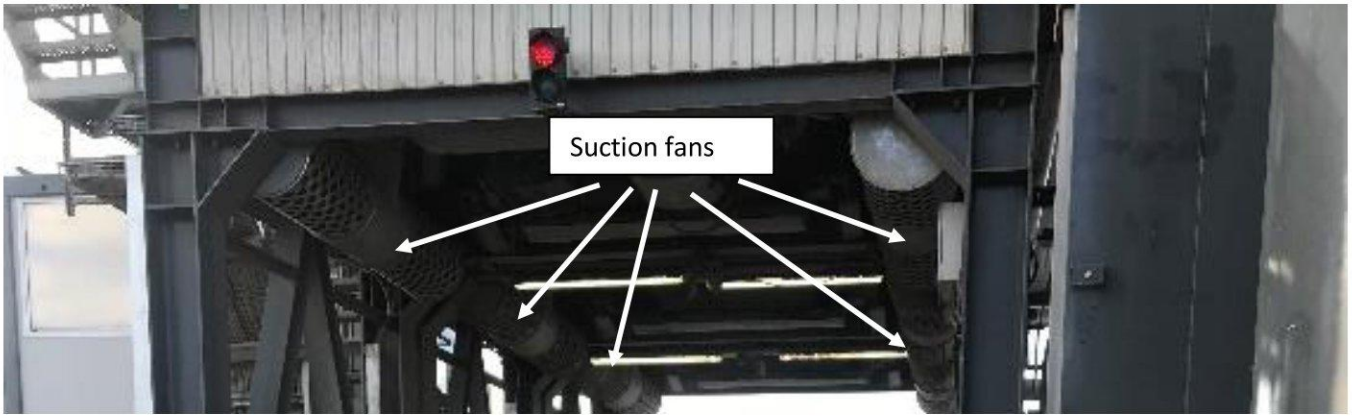
If the review does not provide sufficiently robust data on which to base the modelling assessment, a campaign of site-specific monitoring of a similar plant may also be considered.

SLR Response

A detailed literature review of publicly available odour emission rates for asphalt plants has been conducted as presented in **Table 1**. This table indicates that the odour emission rates used in the SLR Report are consistent with emissions data used in other assessments for reasonably recent asphalt plant technologies (eg in the last 5 years). **Table 1** also includes emission rates for the Orange Grove plant that were provided by Northstar in their peer review which shows notably higher odour emissions from the dryer stack and load out area. The emissions estimation methodology in these publicly available air quality assessments indicate that these odour emission rates were adopted based on historic stack test reports, however the detailed stack test reports are not made publicly available.

Asphalt plant designs and emissions control systems can vary significantly, and the emission rates shown in **Table 1** are not all necessarily representative of the plant proposed at the Project Site. In some cases, this means the emission rates presented in **Table 1** would overestimate the actual expected odour emissions for the proposed plant at the Project site, for example at the load out area. The load out area at the Project Site will have suction fans installed to create negative pressure during truck loading and extract any fumes and dust generated during this process. The emissions will be ducted to the baghouse where they will be absorbed into the filter cake and eventually fed back into the asphalt product. These extraction fans are shown in **Figure 2**. Other points of difference for exhaust air capture for the Benninghoven ECO2000 plant are listed in **Section 1**.

Figure 2 Ventilation System of the Proposed Load Out Area



While the emissions used in the original modelling are expected to be representative of the actual emissions that would be expected from the proposed plant (Benninghoven ECO2000) due to the reasons outlined in **Section 1**, the dryer stack and load out emissions have been remodelled based on:

a. Rich River asphalt plant (Ektimo 2017) and

b. Orange Grove asphalt plant (Air Emissions 2013).

These emissions data (see **Table 1**) have been used in the modelling to assess the sensitivity of the predicted downwind odour concentrations (modelling results are presented in **Section 5**) to the assumed emission rates from the dryer stack and load out area. The maximum throughput of the Rich River and Orange Grove asphalt plants are 100 tph and 150 tph respectively, therefore the emissions used in the re-modelling (purple shaded cells) have been scaled proportionally to 130 tph (throughput at the Project Site).

The total site odour emission rates calculated based on the Rich River and Orange Grove data are approximately 80% and 500% higher than the previously modelled values. As noted above, the higher emission rates calculated for the load out area are expected to be highly conservative because of the proposed use of suction fans in the load out area to control any fugitive emissions from this area.

Table 1 Asphalt Plant Emissions Assessment Summary: Odour

Parameter	Units	Project Site - Original Modelling	Rich River[1]	Boral[2]	Downer[2]	Bushells Ridge[3]	Orange Grove[4]	Project Site Re-modelling (SCALED)	
								Rich River[5]	Orange Grove[5]
Plant capacity	**(t/h)**	**130**	**100**	**200**	**100**	**160**	**150**	**130**	**130**
Dryer stack	(ou.m^3/s)	4,473	3,833	2,000	1,000	5,505	35,000	4,983	30,333
Load out area	(ou.m^3/s)	1,300	4,000	4,333	2,167	1,600	4,333	5,200	3,755
Bitumen tanks	(ou.m^3/s)	NA	NA	NA	NA	NA	NA	NA	NA
Tarping	(ou.m^3/s)	NA	NA	282	141	NA	283	183	245

[1] Ektimo 2017

[2] GHD 2017

[3] SLR 2016

[4] Air Assessments 2013

[5] These emissions have been modelled at 90° C (rather than 130°C as in the SLR report), which is the minimum exhaust air temperature nominated by the manufacturer.

NA – Not assessed

In regard to the maximum throughput adopted for the Project Site (130 t/h), an asphalt plant's maximum capacity is based on mixing speed of the pug mill. The proposed Benninghoven ECO 2000 has a pug mixer capacity of 2 t and a mix time of 45 seconds, which results in a maximum mixing capacity of 160 t/hr. However, moisture in the raw aggregate materials is the limiting factor during production due to the duration required to dry and heat. This results in a plant capacity reduction of approximately 20%. As such, 130 t/hr was adopted for the assessment of odour impacts from the Project Site.

3 Issue 3 - Exclusion of odour emissions during truck tarping (Low)

Northstar Recommendation

It is recommended that emissions of odour during truck tarping be included in the modelling assessment.

SLR Response

Odour emissions during truck tarping have been included in the re-modelling. The emission rates for tarping were adopted from the Boral Asphalt plant data and scaled to 130 tph, also shown in **Table 1**.

The modelled emission rates for tarping represent a net increase of 183 ou.m^3/s to the total odour emissions from the Project Site, which represents approximately 3% of the original emissions inventory. These emissions are therefore minor and not expected to have a material impact on the conclusions of the study, but have been included for completeness.

4 Issue 4 - Exclusion of odour emissions from the bitumen tank (Low)

Northstar Recommendation

If considered appropriate, following detailed review of the plant emissions in [1], it is recommended that emissions of odour from the bitumen tank (breathing losses) are included. It is noted that emissions of toluene from the bitumen tank have been modelled, although a corresponding odour emission has not been derived or assessed.

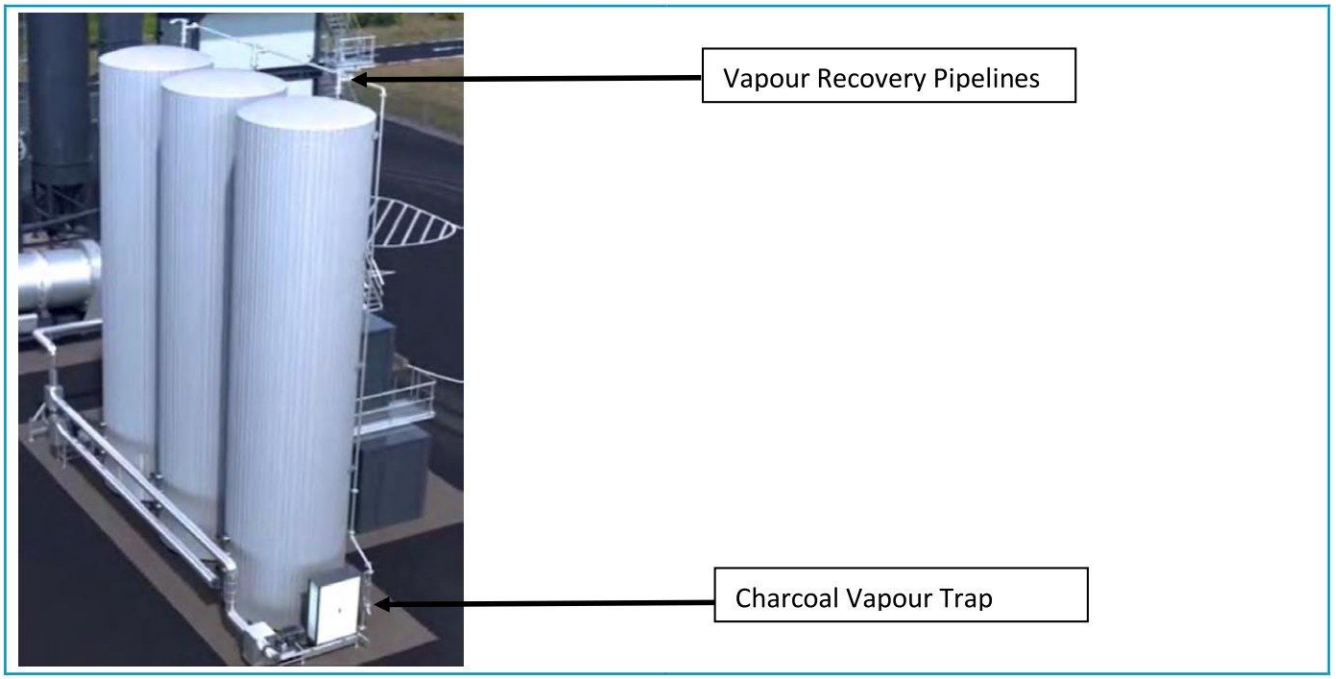
SLR Response

Vapours/fumes from the heated bitumen tanks will be captured using a series of pipelines connecting each bitumen storage tank to a charcoal vapour trap located at ground level. This trap treats any vapours emanating from the bitumen tanks during the loading from the bitumen delivery tankers (working losses), and from maintaining the bitumen temperature during storage (breathing losses). This is illustrated in **Figure 3**.

BTEX emissions from the bitumen tanks, dryer stack and load out area were modelled in the SLR report to provide a conservative assessment. The results indicated that the predicted BTEX concentrations at the maximum impacted receptor will be approximately between 0.01% (ethylbenzene) to 12% (xylene) for the respective criterion, which are designed to protect against air toxicity (benzene and ethylbenzene) and odour nuisance (toluene and xylene) impacts. Also, it is noted that these results are reflective of BTEX emissions from all processes, therefore the predicted contribution from the bitumen tank emissions would be even lower.

BTEX emissions from the bitumen tanks were modelled in the SLR report to provide a conservative assessment. With the additional information provided regarding the carbon filter system that will be installed to control these emissions, this is no longer expected to be a potential VOC discharge point for the proposed plant.

Figure 3 Bitumen Tanks and Vapour Recovery Pipeline



5 Issue 5 - Cumulative impact assessment with the Downer EDI plant (Medium)

Northstar Recommendation

Based on the outcomes of issues 1 to 4, it is recommended that the cumulative assessment should be re-performed. In addition, it is suggested that Council be approached to assess whether the supporting documentation for the Downer plant might be released, and whether any odour complaints data might be available to allow 'ground-truthing' of any modelling assessment.

SLR Response

Additional modelling has been performed using the emission rates calculated based on the Rich River and Orange Grove data as per **Table 1** to assess the sensitivity of the predicted off-site odour impacts to the odour emission rates assumed for the dryer stack and load out area.

Using the same methodology as in the original assessment, the emission rates used in the modelling for the existing Downer EDI plant located north of the Project Site were also updated by scaling the emissions estimated for the Project Site based on the respective plant throughputs ie (200 tph for the Downer EDI plant, compared to 130 tph for the Project Site).

The odour impacts predicted using emission rates adopted from the Rich River and Orange Grove asphalt plants are presented in **Table 2** and **Table 3** respectively. It is noted that the cumulative predictions do not necessarily match the sum of the Project impacts plus Downer EDI impacts because the maximum predicted impacts from the Project and the Downer EDI plant may not occur on the same hour.

Table 2 shows that if the Rich River emission rates are used, the odour concentrations predicted at all of the nearest sensitive receptors are below the adopted odour criterion of 2 ou, with the exception of R8 and I5. However, it is noted that the exceedance predicted at receptor R8 is dominated by the predicted contribution from the Downer plant due to the close proximity of that receptor to the Downer plant. The proposed Project has only a very slight impact (0.2 ou) on the 99.9th percentile odour concentration predicted at this location.

The exceedance predicted at receptor I5 is dominated by the contribution from the Project Site. Receptor I5 is an industrial receptor, and a criterion of 2 ou is considered to be overly conservative for an industrial receptor.

Table 2 Predicted Odour Concentrations at Sensitive Receptors (Based on Rich River Asphalt Plant)

Receptor ID	(ou, 99.9th Percentile 3-minute Average)		
	Project Site Increment	Downer EDI Increment	Cumulative
R1	0.1	0.1	0.1
R2	0.1	0.1	0.1
R3	0.1	0.1	0.1
R4	0.2	0.1	0.2
R5	0.1	0.3	0.3
R6	0.1	0.6	0.6
R7	0.2	0.9	0.9
R8	0.2	1.9	2.1
I1	1.6	0.1	1.6
I2	0.7	0.1	0.7
I3	1.5	0.1	1.7
I4	1.7	0.1	1.8
I5	4.8	0.2	4.9
Criterion	**2.0**	**2.0**	**2.0**

Table 3 shows that if the Orange Grove emission rates are used, the odour concentrations predicted at the nearest sensitive receptors are above the adopted odour criterion of 2 ou at residential receptors R6, R7 and R8, and industrial receptors I1 and I5. However, as above, the predicted exceedances at residential receptors (R6, R7 and R8) are dominated by the predicted contribution from the Downer plant due to the close proximity of those receptors to the Downer plant. The proposed Project has no impact on the 99.9th percentile odour concentration predicted at R5 and R6 and only a very slight impact (0.2 ou) at R8.

The predicted exceedances at receptors I1 and I5 are dominated by the contribution from Project Site. Receptors I1 and I5 are industrial receptors and as discussed above, a criterion of 2 ou is considered to be overly conservative for an industrial receptor.

Receptors I1 and I5, where the exceedances are predicted to occur, are located on industrially zoned land (IN1 Zone, General Industrial) and one of the objectives of industrial zones is to support and protect industrial land for industrial uses. For this reason, a range of sensitive uses (eg educational establishments, child care facilities, health services facilities, residential accommodation etc) are prohibited in this zone.

Table 3 Predicted Odour Concentrations at Sensitive Receptors (Based on Orange Grove Asphalt Plant)

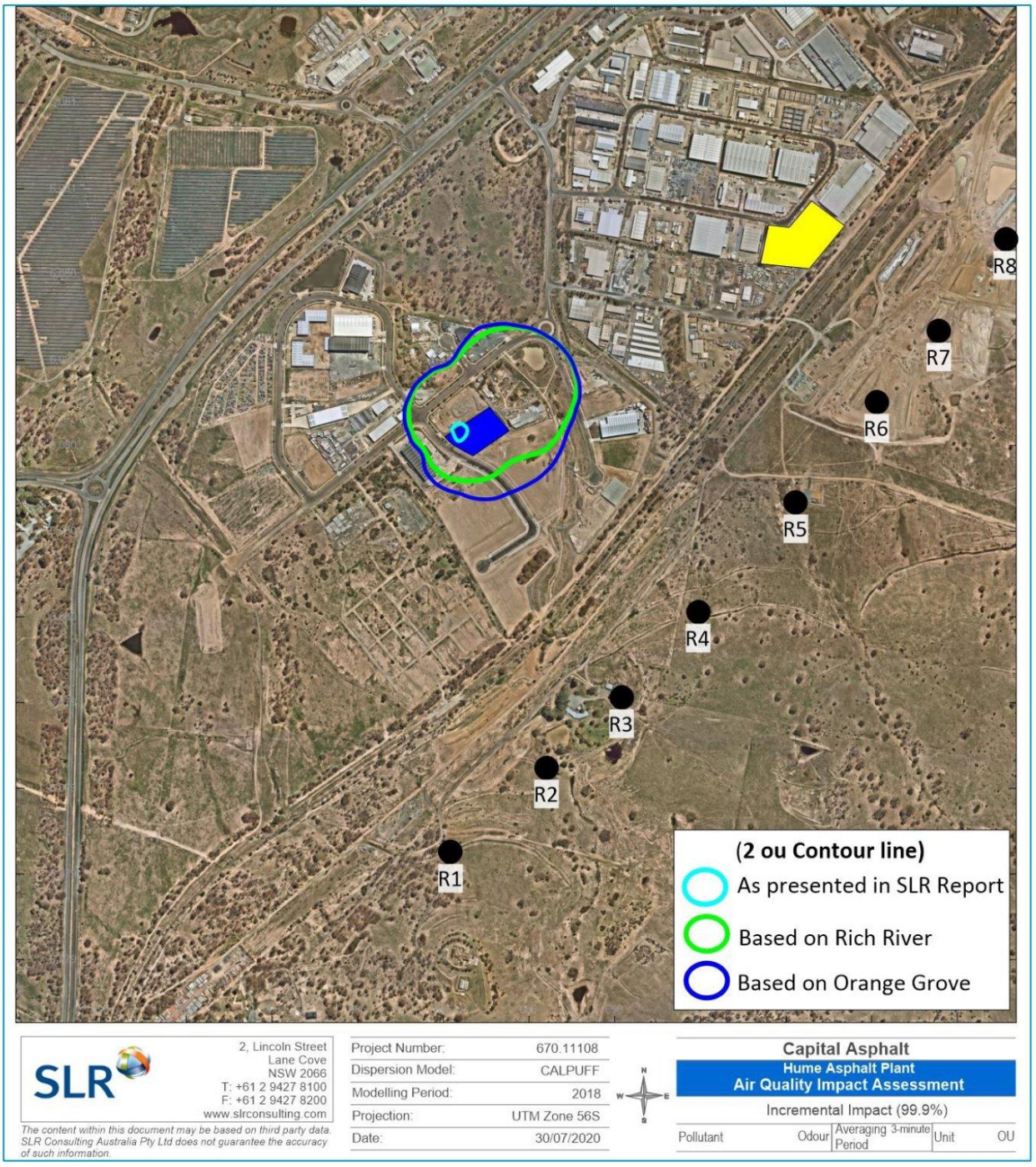
Receptor ID	(ou, 99.9th Percentile 3-minute Average)		
	Project Site Increment	Downer EDI Increment	Cumulative
R1	0.2	0.2	0.3
R2	0.3	0.2	0.3
R3	0.4	0.3	0.4
R4	0.6	0.5	0.7
R5	0.4	1.0	1.0
R6	0.4	2.2	2.2
R7	0.3	2.9	2.9
R8	0.3	6.6	6.8
I1	2.9	0.5	2.9
I2	1.6	0.4	1.6
I3	1.9	0.4	2.2
I4	1.8	0.4	1.9
I5	4.9	0.5	4.9
Criterion	**2.0**	**2.0**	**2.0**

Section 7.1.2 of the *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW* also states that the impact assessment criteria for odour are to be applied at the nearest existing or likely future off-site sensitive receptor, not (for example) at the site boundary, as in the case of the impact assessment criteria for toxic air pollutants. On this basis, it is SLR's opinion that the odour criterion should not be applied to the industrially zoned land around the Project Site, as it should not be categorised as a potentially sensitive receptor.

The respective odour contour plots are shown in **Figure 3**. A larger impact area within 2 ou (Project odour criterion) is p precited when emissions are adopted from Orange Grove or Rich River asphalt plants. However, no significant difference is noted between the Orange Grove or Rich River asphalt plants impacts despite a large difference in emissions from dryer stack (ie 30,333 ou for Orange Grove compared to 4,983 ou for Rich River). This shows that the difference in downwind impacts is attributed to the load out area which was modelled as a volume source. As mentioned above, the modelling of load out area is conservative in nature due to the proposed suction fans (see **Figure 2**).

It should also be noted that these results reflect a conservative scenario, especially with respect to emissions from the load out area. In the proposed plant, the load out area will be fitted with suction fans (see **Section 2**) that will extract any odours or dust generated during load out activities and pass them to the baghouse where they will be captured within the filter cake with the cleaned airflow being discharged at height from the dryer stack. However, these modelling results indicate that even if there was no control of load out emissions, there would be no significant risk of odour impact at the residential receptors.

Figure 4 Contour Plots showing 2 ou Contours (99.9th percentile)



Note: The 3-minute average contour presented in the SLR Report (March 2020) (reproduced here in light blue) is slightly less than 2 ou, as the 9th highest offsite impacts do not exceed 2 ou. This is done for comparison purposes only.

In summary, the additional modelling performed using odour emission rates based on data sourced from the Rich River and Orange Grove asphalt plant, predicts a higher level off site impacts, with exceedances of the adopted odour criterion for sensitive receptors predicted to be exceed in a localised area close to the site boundary. No significant impacts from the proposed plant are predicted for neighboring residential areas.

6 Issue 6 - Meteorological input data (Medium)

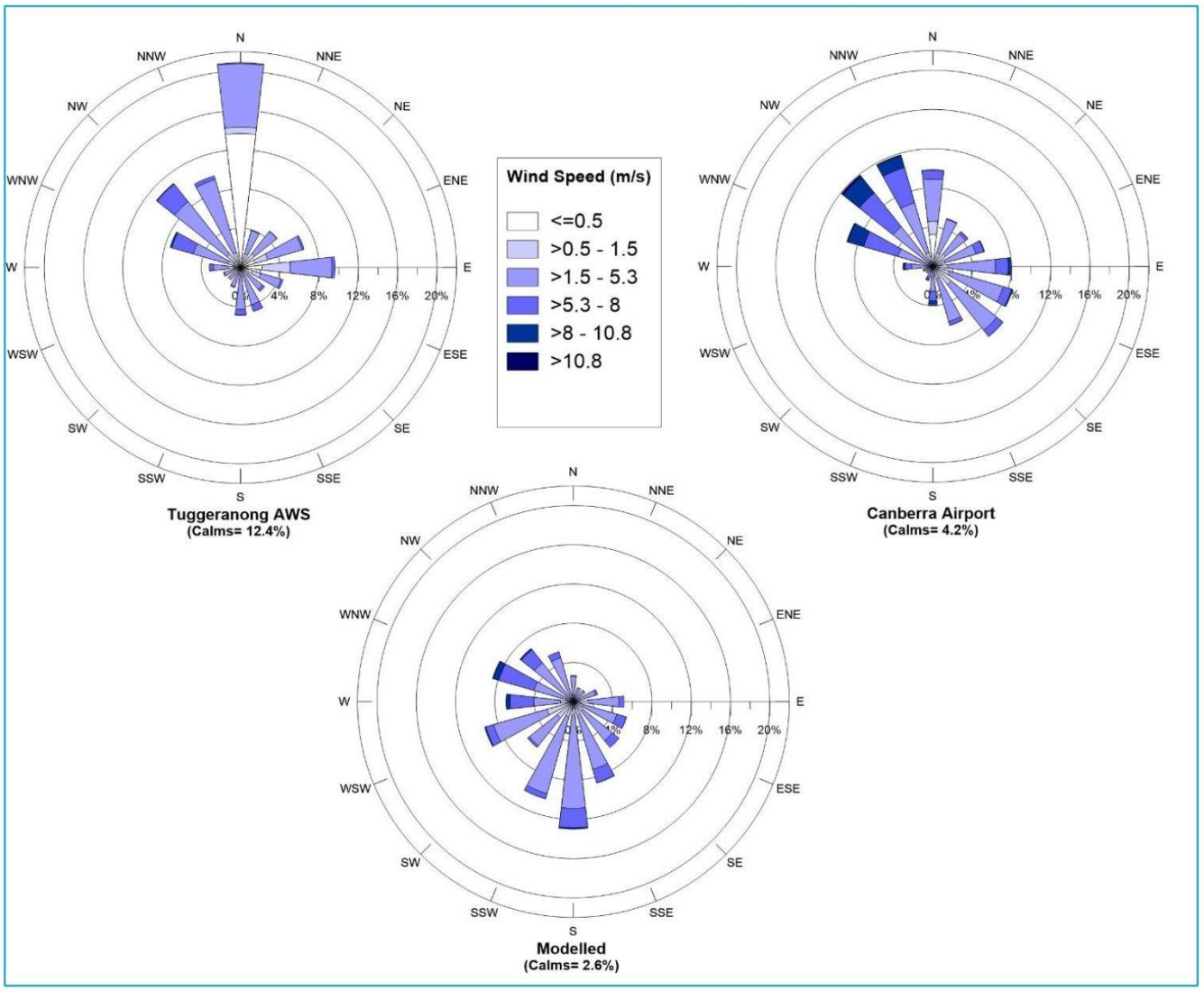
Northstar Recommendation

Provide a validation of the meteorological data used as input to the modelling assessment against observations.

SLR Response

A comparison of the wind patterns for the observed data at Tuggeranong Automatic Weather Station (AWS), Canberra Airport AWS and modelled meteorological data at the Project Site are shown in **Figure 5**.

Figure 5 Comparison of the Observed data at Tuggeranong AWS and Canberra Airport AWS (2018)



Note: As Tuggeranong AWS was used in the modelling, it is not appropriate to extract data at Tuggeranong AWS to validate meteorological modelling.

Tuggeranong AWS data was used as an input to the meteorological modelling however Canberra Airport data was excluded based on the large separation distance between Canberra Airport and Project Site (~11 km). An appreciable difference is noted in the observed wind patterns at the Tuggeranong AWS, Canberra Airport AWS and the modelled meteorological data at the Project Site.

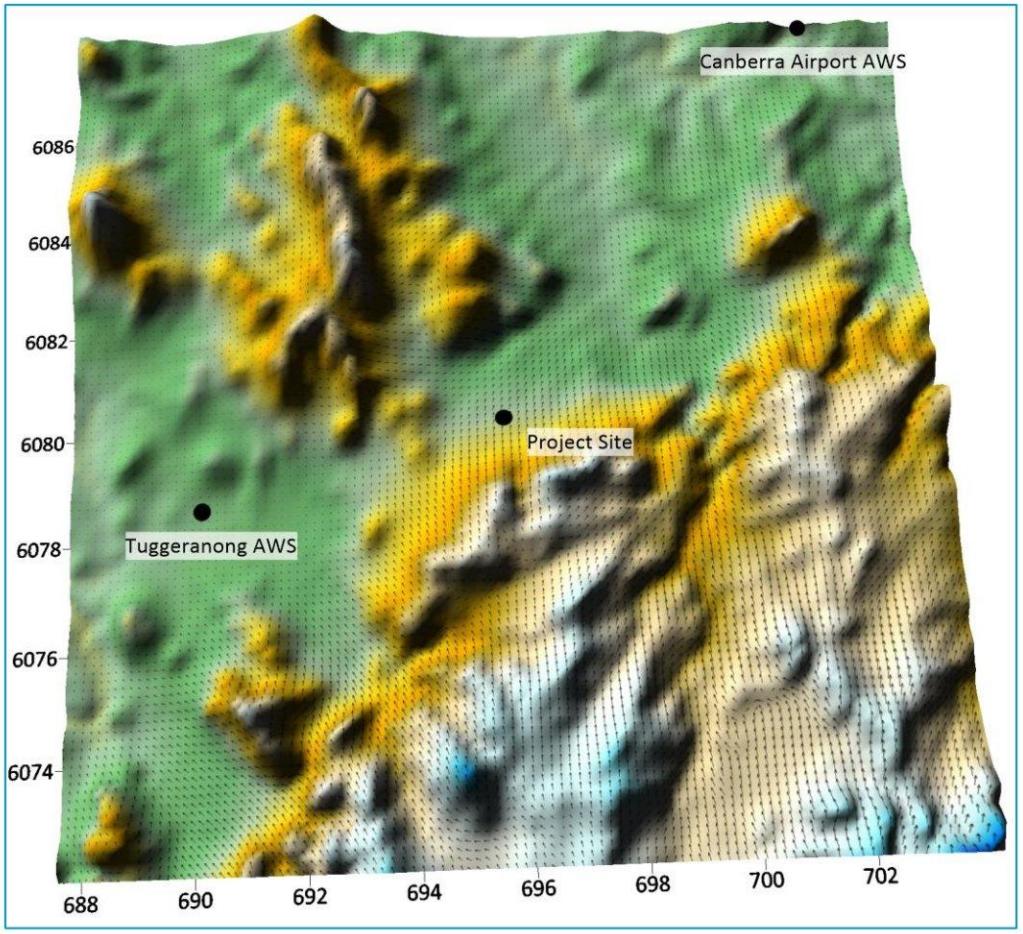
The difference between the observed data and the modelled data can be attributed to the significant terrain features that exist in the region influencing the wind patterns. An example of the existing terrain features and the resultant shifts in local wind patterns is shown in **Figure 6**.

This figure shows the following:

- Significant terrain features located to the south and the northwest of the Project Site create a drainage channel, with the Project Site located within that drainage channel.
- Due to the presence of terrain features located to the south of the Project Site, the night time conditions create 'slope flows' which contribute towards the higher percentage of southerly wind conditions predicted at the Project Site.
- Due to the presence of terrain features to the northwest/north of the Project Site, the northwest/north wind component is predicted to occur less frequently compared to Tuggeranong AWS and the Canberra Airport AWS.

In summary, due to the varying topography surrounding the respective locations, the winds at one location may not necessarily be similar in nature at other locations. This is especially evident from **Figure 6**, which shows the spatial variability in the wind patterns during a given hour across the modelling domain. During the shown hour, the Tuggeranong AWS and Canberra Airport AWS are predicted to experience calm conditions whereas the Project Site is predicted to experience strong southerly wind conditions.

Figure 6 Existing Terrain Features and the Resultant Wind Patterns



7 References

- Air Emissions 2013, APPENDIX X – ORANGE GROVE AIR QUALITY ASSESSMENT - Proposed Temporary Asphalt Plant – Orange Grove Air Quality Assessment, prepared for Emission Assessments Pty Ltd, December 2013, available online at: http://www.gosnells.wa.gov.au/files/218f453a-3e92-4f34-b40c-a2a1009e8414/Technical_Documentation.pdf.
- Ektimo 2017, Emission Testing Report – Rich River Asphalt Pty Ltd Echuca, report number R002907-2.
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Application for an Environmental Authorisation - receipt

Your submission has been successful. Please keep a copy of this receipt for your records. This transaction will appear on your statement as ACCESS CBR INTERNET CANBERRA

Date and time	Reference code	Payment receipt number	Total amount paid
22 Sep 2020 5:23:29 PM	5R5H4PK6	2783511886	$ 1,928.60

Environmental Protection Authority
16 479 763 216

GPO Box 158
Canberra City ACT 2601

Phone: 13 22 81

Applicant details

Is the Authorisation to be held in the name of *

○ an individual(s) ◉ a business/company

Business/company name *

Southern Asphalt Services Pty Ltd

Enter an ABN or ACN: *

ABN (Australian Business Number)

71610642058

ACN (Australian Company Number)

610642058

Business or trading name (If different)

Southern Asphalt Services Pty Ltd

Contact person

Sch 2.2(a)(ii)

Address line 1 *

5 PASPALEY ST

Address line 2

Suburb *

HUME

State *

ACT

Postcode *

2620

Postal address

☐ Same as registered company address

Address line 1 *

PO BOX 208

Address line 2

Suburb * State * Postcode *

HALL ACT 2618

Company contact details

Enter at least one phone number: *

Home phone number Work phone number Mobile number

Sch 2.2(a)(ii) Sch 2.2(a)(ii)

Email address *

Sch 2.2(a)(ii)@capitalasphalt.com.au

Activity details

Activity 1

Which Environmental Authorisation are you applying for? *

42 - Production of road building materials (Activity 42)

Suburb * Section * Block * Unit Floor

HUME 22 67

If you are not the lessee (owner) this application must be accompanied with written consent from the lessee. Written consent is required from the Territory if the land is unleased Territory land; or from the Commonwealth if the land is unleased National land.

Are you the owner of the block? *

● Yes No

The activity and other information

Other information about activity

The operation of an asphalt batch plant.

Have the owners or directors of the business entity been convicted of an offence against the Act or a corresponding law in other jurisdictions in the last 10 years? *

Yes ● No

If you believe some or all of the information you supply to the Environmental Protection Authority could reveal a trade secret or adversely affect a person's lawful business activities, you may apply under Section 21 of the Act for that information not to be made available for public inspection.

Do you want to apply for information to be excluded from public inspection? *

Yes ● No

Declaration

☑ I declare that, all the matters pertaining to my application are true and correct and I agree to comply with the authorisation conditions. *

Payment amount

$	1,928.60

ACT Government
Chief Minister, Treasury and Economic Development

CMTEDD INTERNAL MINUTE

Date	14 December 2020	EA No. 1247
To	Narelle Sargent, Environment Protection Authority	
From	Rodney Dix, Assistant Director Environment Protection Sch 2.2(a)(ii) 15/12/20 David Power, Assistant Director Environmental Quality Agree DP 15/12/20	
Subject	Grant Environmental Authorisation No. 1247 to Southern Asphalt Production Pty Ltd	

Critical date and reason

1. Routine.

Recommendations

2. That you:
   - grant Environmental Authorisation No. 1247

Narelle Sargent..... Sch 2.2(a)(ii) 15/ 12 /2020

AGREED/~~NOT AGREED/NOTED/PLEASE DISCUSS~~

Background

3. Southern Asphalt Production Pty Ltd has applied for an Environmental Authorisation (EA No. 1247) for the production of road building materials by the mixing of ground rock aggregate and bituminous materials at a production facility that is designed to produce more than 30,000t of road building materials per year on Block 67, Section 22, Hume.

Issues

4. This activity has the potential to cause pollution of surface water, soil and air by the spill, leak or incorrect handling of products. The conduct of this activity also has the potential to cause environmental nuisance by the emission of noise or odour.

5. As a part of the development application the proponent engaged SLR Consulting to undertake air quality modelling to demonstrate that plant emissions would not impact on nearby sensitive receptors, including the Tralee development in NSW being undertaken by Village Building Company (VBC). The Office of the Environment Protection Authority (OEPA) reviewed this report and supported its findings that the plant would not have an unacceptable impact on nearby sensitive receptors including the VBC development.

6. Notwithstanding the above, VBC do not have any appeal rights in relation to the development. VBC engaged ERM Australia Pacific Pty Ltd (ERM) to review the SLR study. Based on the concerns raised by VBC, the OEPA requested the proponent get the SLR study independently reviewed to consider the issues raised by ERM. The independent review was undertaken by Northstar Air Quality Pty Ltd (Northstar). Northstar identified a number of concerns in relation to the modelling including the emissions inventory used for the original modelling.

7. In light of Northstar's recommendations, SLR revised the emission inventory and air quality impacts modelled. Whilst some of the emission inputs were increased for the revised modelling, Northstar concluded the plant can be operated to not result in unacceptable odour impacts at surrounding residential receptor locations, should the controls be implemented as outlined. It should be noted that the revised modelling showed that any exceedances of the adopted odour criteria of 20U in the VBC development will be emissions from the existing Downer plant.

8. Based on the controls proposed in the modelling, the following conditions have been included in the EA:
    - The plant load out area must have suction fans installed and operating to capture emissions during loading operations;
    - Vehicles are not to leave the load out area until they are tarped; and
    - Bitumen storage tank(s) are to be vented through a charcoal vapour trap.

9. The remaining conditions within EA No. 1247 are considered sufficient to ensure that the environmental issues associated with the production of road building materials are appropriately managed.

10. This is the first EA that the applicant has applied for and their environmental record is therefore unknown.

11. There are no environmental protection policies relevant to this EA. However, the Environment Protection Authority's 'Environmental Guidelines for Petroleum Storage in the ACT' (June 2019) apply to this activity.

12. The actual/potential economic or social benefits from this activity is that the production of road building materials is a necessary activity for the supply of the product for use in the community.

Consultation

13. A public notice was placed on the 'All Public Notices' page on the ACT Government Open Government website at the time of application for EA No. 1246.

14. Applications closed on the 20 October 2020 and no comments were received by the EPA.

15. A draft Environmental Authorisation was sent to Southern Asphalt Production Pty Ltd on 4 November 2020. Finalised comments were received from Southern Asphalt Production Pty Ltd on 8 December 2020 and have been incorporated into the Environmental Authorisation.

16. The Environmental Quality Team has provided input into the draft EA.

Work Health and Safety

17. Nil.

Financial

18. The application fee has been paid.

Risks/ Sensitivities

19. Nil.

Media

20. Nil.

Sch 2.2(a)(ii)

Action Officer: Sara McIntyre
Environment Protection Officer
Phone: 02 6207 2144

ACT Government
Chief Minister, Treasury and Economic Development

Authorisation No. 1247

AUSTRALIAN CAPITAL TERRITORY

ENVIRONMENTAL AUTHORISATION UNDER THE ENVIRONMENT PROTECTION ACT 1997

The Environment Protection Authority (the Authority), pursuant to section 49(1)(a) of the *Environment Protection Act 1997* (the Act), hereby authorises:

Name:	**Southern Asphalt Production Pty Ltd**
ABN:	**64 639 561 943**
ACN:	**639 561 943**
Street:	**5 Paspaley Street**
Suburb:	**Hume**
Postcode:	**2620**

To conduct: **The production of road building materials by the mixing of ground rock aggregate and bituminous materials at a production facility that:**

(a) is, or is intended to be, located at the one site for more than 1 year; and

(b) is designed to produce more than 30,000t of road building materials per year

On: Block: **67**
Section: **22**
Suburb: **Hume**

The authorisation is valid for an unlimited period or until surrendered by **Southern Asphalt Production Pty Ltd** or cancelled or suspended by the Authority.

This is a **standard** environmental authorisation.

Sch 2.2(a)(ii)

Environment Protection Authority

Dated: 15 December 2020

SCHEDULE 1: GENERAL CONDITIONS

Definitions

Controlled Waste: as defined in the *National Environment Protection Measure (Movement of Controlled Waste between States and Territories) Measure*.

Environmental nuisance: as defined in the *Environment Protection Act 1997.*

Operation: operation includes crushing, grinding, separation of materials, loading and unloading, and delivery of materials.

Plant and Equipment: includes drainage systems, infrastructure and pollution control equipment associated with the delivery, storage and dispensing of petroleum products.

Regulated Waste: as defined in Schedule 1, Section 1.1A of the *Environment Protection Act 1997.*

Site: Block 67, Section 22, Hume

Stormwater Improvement Device: a device capable of meeting the specifications for Class 1 separators outlined in BS EN 858-1 Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control.

Stormwater System: as defined in Schedule 1, Section 1.1 of the *Environment Protection Act 1997.*

Waterway: as defined in Schedule 1, Section 1.1 of the *Environment Protection Act 1997.*

Working day: a day other than a Saturday, or Sunday, a public holiday or a day that is a holiday for public servants.

1. Compliance with Environmental Authorisation

The Authorisation holder shall:

(a) comply with any authorisation condition immediately where no time for compliance is stated; and

(b) notify the Authority in writing within 2 working days of becoming aware of:

  i. any event that causes, or is likely to cause, any authorisation condition to be exceeded; or

  ii. any monitoring data that show that a condition of the authorisation has been exceeded.

2. Activities must be carried out to protect the environment

2.1 All activities carried out on the site shall be carried out in such a manner that adverse impact on the environment is minimised.

3. Maintenance of plant and equipment

3.1 All plant and equipment installed or used in or on the site shall be maintained in a safe and good condition and in accordance with manufacturer's recommendations.

3.2 Records of all maintenance and repairs performed on pollution control equipment including air/carbon filtration systems, drainage systems, interceptors, separators and infrastructure shall be kept for a period of 2 years and made available to the Authority on request.

4. Environmental Practices

4.1 The Authorisation holder shall minimise emissions to the environment by adopting the practises set out in **Schedule 2**.

5. Compliance with Australian Standards, Industry Codes of Practice and Policies

5.1 The Authorisation holder shall comply with the provisions of the following Australian Standards, Guidelines, Industry Codes of Practice and policies provided such provisions are not in conflict with the conditions in this Authorisation, and the provisions of any policies made by the Authority.

- Environmental Guidelines for Petroleum Storage in the ACT, Environment Protection Authority, June 2019.
- AS 1940 – The Storage and Handling of Flammable and Combustible Liquids, Standards Association of Australia.
- AS 4282 - Control of the obtrusive effects of outdoor lighting.
- AS/NZS 5667.1 - Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples.
- Environment Protection Policies prepared under the *Environment Protection Act 1997*.

6. Fuel Storage

6.1 Where there are fuel storage tanks on the site the Authorisation holder shall ensure the tanks and associated pipe work are maintained in good condition. The proposed method of demonstrating the integrity of the tanks and associated pipe should be incorporated into the Authorisation holders Environment Management Plan required under section 17 of this Schedule.

6.2 Further to the provisions of clause 6.1, special requirements are applied to the abandonment of any aboveground or underground tanks and should the need arise, the Authorisation holder agrees to contact the Authority and Access Canberra Dangerous Substances Licensing on 13 22 81 or email to: dangeroussubstances@act.gov.au.

7. Reporting of environmental harm

7.1 In the event that an incident has caused, is causing or is likely to cause material or serious environmental harm, whether the harm occurs on or off the site, the Authorisation holder, their employee or agent shall report the incident to the Authority immediately after it becomes known to the Authorisation holder or to their employee or agent in accordance with clause 7.2.

7.2 The incident shall be reported to the Authority by telephoning Access Canberra on 13 22 81 during and outside business hours.

7.3 The Authorisation holder shall notify the Authority in accordance with clause 7.2 immediately after becoming aware that land is contaminated in such a way as to present, or to be likely to present –

a) a significant risk of harm to human health: or
b) a risk of material environmental harm or serious environmental harm

For the purposes of this section, the presence of phase separated hydrocarbon in groundwater constitutes material or serious environmental harm.

7.4 The Authorisation holder, their employee or agent shall also report an incident referred to in clause 7.1 and/or clause 7.3, in writing to the Authority within 2 working days of the incident occurring or becoming aware of contamination of land. The report must include:

a) incident or activity that has caused contamination or environmental harm;
b) nature of contamination and chemicals of concern;
a) area affected (on or off site);
b) aspects of the environment affected;
c) any planned assessment or remediation; and
d) any other relevant information.

The report may be provided by email to environment.protection@act.gov.au

7.5 The Authorisation holder shall keep a record of all other matters in relation to pollution from, or on, the site.

8. Record of pollution complaints

8.1 The Authorisation holder shall keep a legible record of all complaints received by its employees or its agents, in relation to pollution associated with activities on the site. This record is to be provided, on request, to the Authority and must be kept for a period of 5 years.

9. Record of activity levels

9.1 The Authorisation holder shall maintain the following records:

a) annual production quantity of bituminous road building material.

10. Records to be maintained

10.1 The following records will be maintained and kept by the Authorisation holder for a period of five years:

a) field sampling record sheets and chain-of-custody forms;
b) results of monitoring of soils and groundwater; and
c) reconciliation records for all fuels, oils and hazardous materials and wastes utilised and stored on site.

10.2 The following records will be maintained and kept by the Authorisation holder for a period of one (1) year:

a) waste disposal certificates for any regulated or controlled wastes disposed off-site.

b) waste disposal certificates for any hazardous wastes disposed off-site.

11. Responsible employees

11.1 The Authorisation holder shall authorise at least two senior employees or agents:

a) to speak on behalf of the Authorisation holder; and

b) to provide any information or document required under this Authorisation.

11.2 The Authorisation holder shall inform the Authority of the names and telephone numbers (including after-hours numbers) of those persons within five (5) working days of this Authorisation coming into force. The details may be provided by email to environment.protection@act.gov.au

11.3 The Authorisation holder shall inform the Authority of any change in the information provided under clause 11.2 within five (5) working days of the change. The details may be provided by email to environment.protection@act.gov.au

11.4 Any person nominated by the Authorisation holder to meet the requirements of clause 11.2 shall be readily contactable on the person's nominated telephone numbers.

12. Authorisation shall be kept on site

12.1 A copy of this Authorisation shall be kept at the site and shall be available for inspection by any employee or agent of the Authorisation holder working at the site.

13. Waste

13.1 No waste material is to be incinerated on site.

13.2 The Authorisation holder shall use licensed waste transporters to transport "controlled/regulated wastes" as defined in the *Environment Protection Act 1997* and the Environment Protection Regulation 2005. Information on Controlled Waste handling and transport can be obtained from the Authority on 13 22 81.

14. Hazardous Materials

14.1 The Authorisation holder shall store and manage hazardous materials in a manner that prevents adverse impacts on the environment. The handling and storage of hazardous materials should be addressed in the Environment Management Plan required under Section 17 of this Schedule.

15. Discharge of stormwater

15.1 The Authorisation holder shall ensure that appropriate infrastructure is in place and maintained in good operating conditions to ensure that storm water is not contaminated as a result of the authorised activity.

15.2 The Authorisation holder shall not discharge any contaminants, directly or in-directly to land or surface waters as a result of the authorised activity unless in accordance with Schedule 2, Table 2.

16. New designs and innovations

16.1 The provisions of this Authorisation are not intended to limit the appropriate use of alternative materials, equipment, designs, or methods because they are not included.

17. Environment Management Plan

17.1 The Authorisation holder must prepare and submit an Environment Management Plan (EMP) acceptable to the Authority prior to operations commencing on site.

17.2 The EMP should identify all activities that may have an adverse impact on the environment or the potential to cause environmental harm, and detail the mechanisms employed to prevent or minimise the impact of these activities. If required, the ways in which the conduct of the activity will be altered to minimise or reduce the adverse environmental impact of the activity is to be detailed including a timetable for implementation.

17.3 The EMP, once accepted by the Authority is to be implemented. It will also form the basis for future Authorisation conditions and environmental improvements.

17.4 A copy of the EMP must be kept on the site.

17.5 Where the mechanisms employed to prevent or minimise the adverse environmental impacts of the activity or the way in which the activity is carried out varies substantially from that detailed in the endorsed EMP, a revised EMP must be submitted.

18. Monitoring Requirements

18.1 Annual Emission Monitoring

(a) Annual air monitoring on the asphalt plant emissions during normal commercial production shall be carried out in accordance with Schedule 2, Table 1, Conditions 1 and 2.

(b) The first annual stack test must be undertaken within one (1) month of the commercial production of asphalt. Subsequent annual testing is to be undertaken within a one month period from the date of the initial monitoring.

18.2 Surface Water Monitoring

(a) Discharge to the stormwater system from the stormwater improvement device shall be monitored biannually for the parameters set out in Schedule 2, Table 2, Condition 2.

19. Air Quality Standards

19.1 Air quality from the asphalt plant shall be managed within the limits for the parameters as specified in Schedule 2, Table 1, Condition 1.

20. Reporting Requirements

20.1 A copy of the results of the annual stack emission monitoring must be forwarded to the Authority within four (4) weeks of sampling. If the results will not be available within four week the Authorisation holder is to advise the Authority in writing when the results are expected and the reason for the delay.

20.2 A copy of the surface water monitoring results must be forwarded to the Authority within 10 working days of receiving the results.

20.3 Monitoring results may be provided to the Authority by emailed to environment.protection@act.gov.au.

21. Sampling Requirements

21.1 All sample collection, analysis and associated paperwork under this Authorisation shall be conducted in accordance with Australian Standard/New Zealand Standard 5667.1:1998, "*Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples*", and with the American Public Health Association, American Water Works Association, and the Water Pollution Control Federation *Standard Methods for the Examination of Water and Wastewater,* 18th Edition, 1989, or other standards and methods agreed to by the Authority.

21.2 The sample collection shall be undertaken and documented by a suitably qualified person in accordance with clause 21.1. All required documentation shall be countersigned by a person authorised under clause 11.1 and shall be made available for inspection by the Authority. Sample analysis of parameters shall be conducted by a person employed as an analyst in any of the following organisations:

a) a Government laboratory;
b) an Australian university;
c) a laboratory where Authorisation parameters are accredited by the National Association of Testing Authorities; or
d) a laboratory approved by the Authority.

22. Provision of records

22.1 The Authorisation holder must provide any records required to be maintained under this Authorisation to the Authority upon request.

SCHEDULE 2

TABLE 1: AIR POLLUTION

<table>
<tr><th colspan="2">Requirement</th></tr>
<tr><td>1</td><td>The operations at the site shall be managed to ensure that emissions from the asphalt plant do not exceed the following standards:

<table><tr><th>Parameter</th><th>Criteria</th></tr><tr><td>Solid particles (total)</td><td>50 mg/Nm^3</td></tr><tr><td>Nitrogen dioxide</td><td>350 mg/Nm^3</td></tr><tr><td>Volatile organic compounds (VOCs), as n-propane</td><td>40 mg/Nm^3</td></tr></table></td></tr>
<tr><td>2</td><td>For the purpose of assessment, monitoring shall be carried out in accordance with the New South Wales Protection of the Environment Operations (Clean Air) Regulation 2010, Schedule 5.

The atmospheric emission points that require monitoring are:
Point 1 – Dryer Stack (post-baghouse)</td></tr>
<tr><td>3</td><td>The plant load out area must have suction fans installed and operating to capture emissions during loading operations. Vehicles are not to leave the load out area until they are tarped.</td></tr>
<tr><td>4</td><td>Vehicles carrying loads containing material which may become wind blown or spilt must be covered.</td></tr>
<tr><td>5</td><td>Dust emissions from sealed roads, disturbed areas, stockpiles and machinery must be controlled to prevent environmental harm.</td></tr>
<tr><td>6</td><td>Material storage bins/bunkers are to be confined on three sides, excluding Reclaimed Asphalt Production (RAP).</td></tr>
<tr><td>7</td><td>Bitumen storage tank(s) are to be vented through a charcoal vapour trap.</td></tr>
<tr><td>8</td><td>Venting vapours must not impact adjoining premises.</td></tr>
<tr><td>9</td><td>Take practical measures to ensure that the vents of petroleum (diesel) storage tank(s) are not blocked.</td></tr>
</table>

TABLE 2: WATER POLLUTION

<table>
<tr><th colspan="2">Requirement</th></tr>
<tr><td>1</td><td>Water catchment on the site must be managed to ensure that all run off from the asphalt plant and other waste generating activities is treated by a stormwater improvement device prior to leaving the site.</td></tr>
<tr><td>2</td><td>Discharges from the stormwater improvement device to the stormwater system are only permitted when the water quality meets the standards detailed below for pH, oil and grease and suspended solids or turbidity.

Water Quality Standards

<table><tr><th>Parameter</th><th>Criteria</th></tr><tr><td>pH</td><td>6 – 9</td></tr><tr><td>Suspended solids</td><td><25mg/L</td></tr><tr><td>Turbidity</td><td><30 NTU</td></tr><tr><td>Oil and Grease</td><td><10mg/L</td></tr></table></td></tr>
<tr><td>3</td><td>The stormwater improvement device must be maintained in accordance with the manufacturer’s specifications.</td></tr>
<tr><td>4</td><td>Underground petroleum storage tanks are not permitted.</td></tr>
<tr><td>5</td><td>Aboveground petroleum storage tanks must be installed in accordance with the Environmental Guidelines for Petroleum Storage in the ACT, Environment Protection Authority, June 2019.</td></tr>
<tr><td>6</td><td>Appropriate spill kits must be kept on site and be readily accessible.</td></tr>
</table>

TABLE 3: HAZARDOUS MATERIALS/WASTE

Requirement	
1	The storage of chemicals, fuels, oils, solvents, emulsions and additives must be contained within a bunded area at least 110% of the total capacity of the largest vessel.
2	Spills within the bunded area must be recovered, removed and disposed to a suitable licensed facility.

TABLE 5: NOISE POLLUTION

Requirement	
1	Operations at the site shall be managed so that noise levels do not exceed the following levels at any point on the boundary of the site: Mon – Saturday 7am to 10pm - 65dB(A) 10pm to 7am - 55dB(A) Sunday and Public Holidays 8am to 10pm - 65dB(A) 10pm to 8am - 55dB(A) The noise standard specified is in accordance with the Environment Protection Regulation 2005 (for specific noise zones refer to www.legislation.act.gov.au).

TABLE 6: LIGHT POLLUTION

Requirement	
1	The operations at the site shall be managed to ensure the siting and aiming of outdoor lighting from the activities complies with AS 4282 - Control of the obtrusive effects of outdoor lighting.

TABLE 7: ODOUR IMPACTS

Requirement	
1	The Authorisation holder shall take practicable measures to minimise offensive odour impacts operations beyond the boundaries of the site.

Australian Capital Territory

Environment Protection (Environmental Authorisation Application) Notice 2020 (No 12)

Register No E48-20

Notifiable instrument NI2020–629

made under the

***Environment Protection Act 1997*, s 48(1) (Consultation on application for Environmental Authorisation)**

---

1 Name of instrument

This instrument is the *Environment Protection (Environmental Authorisation Application) Notice 2020 (No 12).*

2 Commencement

This instrument commences on the day after notification.

3 Notification

The Environment Protection Authority has received an application for an Environmental Authorisation from the following business:

Business	Brief Description of Activity and Location
Southern Asphalt Services Pty Ltd	A facility designed for the production of bitumous road building materials – Block 67 Section 22 Hume ACT.

A copy of the Application is available for public inspection on the Access Canberra website at
http://www.environment.act.gov.au/environment/epa_search

Any person who wishes to make a written submission to the Environment Protection Authority concerning the above application may do so by no later than 21 October 2020.

Submissions should be addressed to: Environment Protection Authority environment.protection@act.gov.au.

Sch 2.2(a)(ii)

Narelle Sargent
Environment Protection Authority
24 September 2020

Australian Capital Territory

Environment Protection (Environmental Authorisation Grant) Notice 2020 (No 22)

Register No E70-20

Notifiable instrument NI2020 – 835

made under the

***Environment Protection Act 1997*, s 50 (Notification of grant) and s 19 (Inspection of documents)**

---

1 Name of instrument

This instrument is the *Environment Protection (Environmental Authorisation Grant) Notice 2020 (No 22)*.

2 Commencement

This instrument commences on the day after notification.

3 Grant

The Environment Protection Authority has granted an Environmental Authorisation to the following business.

Business	Authorisation Number	Brief Description of Activity and Location
Southern Asphalt Production Pty Ltd	1247	A facility designed for the production of bituminous road building materials – Block 67 Section 22 Hume ACT.

This instrument expires on **21 February 2021.**

4 Inspection of Documents

An electronic copy of the Authorisation is available for public inspection on the Access Canberra website at http://www.environment.act.gov.au/environment/epa_search.

Sch 2.2(a)(ii)

Narelle Sargent
Environment Protection Authority
22 December 2020

Capital Asphalt

Environmental Management Plan

ASPHALT PRODUCTION FACILITY

5 PASPALEY STREET, HUME

Capital Asphalt

DOCUMENT CONTROL

Reference	Date	Prepared	Checked	Authorised
630.30104-R01-v0.1	November 2020	Sch 2.2(a)(ii)		
Capital Asphalt EMP R01	February 2021			

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Capital Asphalt

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Capital Asphalt

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APPENDICES

Appendix A EA 1247
Appendix B Incident Form
Appendix C Complaint Form

© Southern Asphalt Productions Pty Ltd t/a Capital Asphalt

1 Development Overview

1.1 Background

Capital Asphalt operate an Asphalt Plant ("the Facility") located on land known as 5 Paspaley Street (Block 67 Section 22), Hume in the Australian Capital Territory (ACT).

On 15 December 2020, Capital Asphalt obtained an Environmental Authorisation 1247 (EA 1247) from the Environment Protection Authority (EPA) under the *Environment Protection Act 1997*.

The Facility was approved for *"the production of road building materials by the mixing of ground rock aggregate and bituminous materials at a production facility that:*

a. *is, or is intended to be, located at the one site for more than 1 year; and*

b. *is designed to produce more than 30,000t of road building materials per year."*

Figure 1 shows the site location and surrounding environment. **Figure 2** provides the site layout.

1.2 Site Contact Details

Contact details for the Capital Asphalt Plants are listed in **Table 1**.

Table 1 Site Contact Details

Position	Name	Phone Number	Email
General Manager	Sch 2.2(a)(ii)		
Safety/Environmental Manager			
Production Manager			
Director			

1.3 Operation Hours

Operation hours for Capital Asphalt are outlined in **Table 2**.

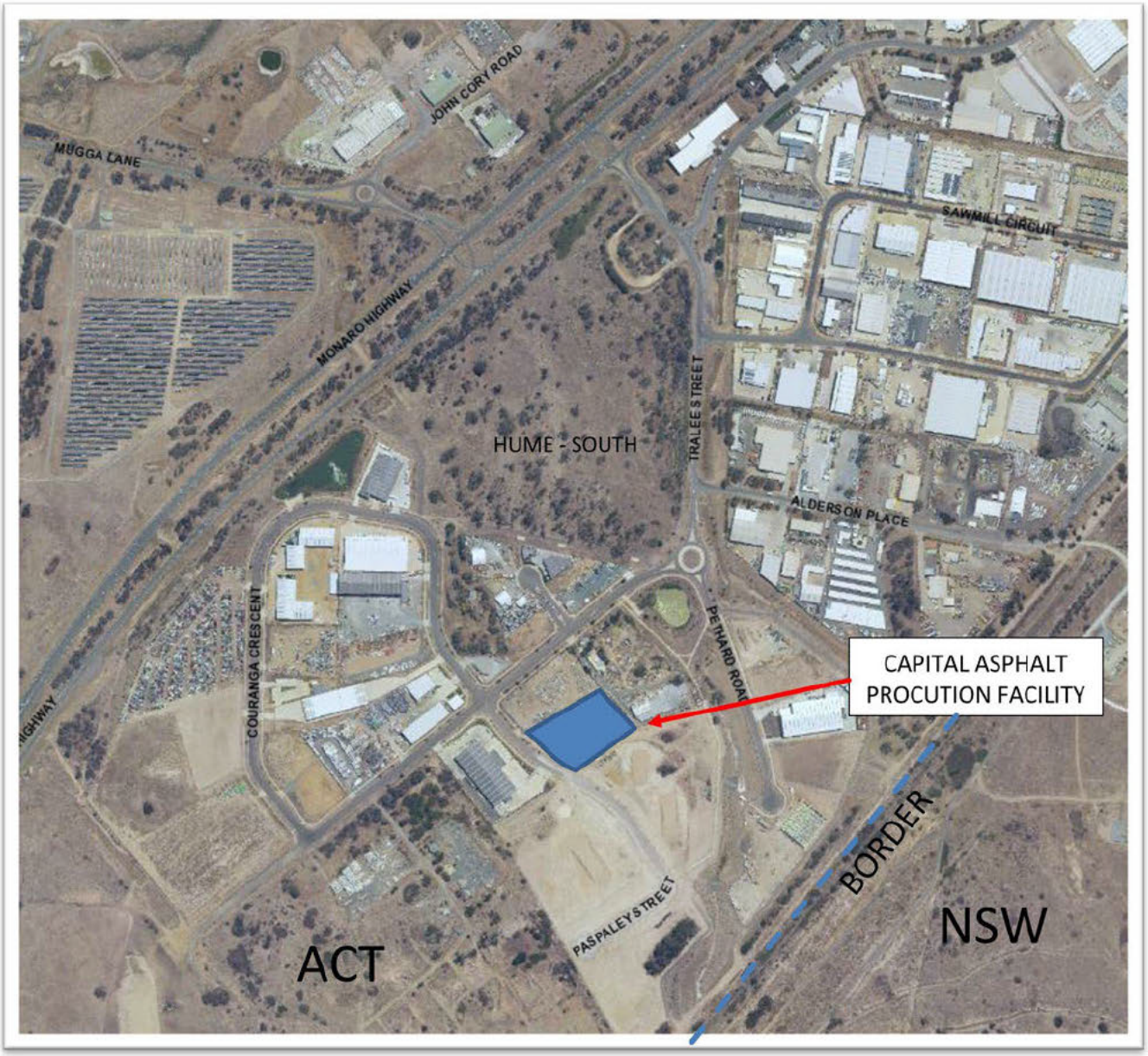
Table 2 Operation Hours

Operation	Days	Time
Standard operation	Monday – Saturday	6:00 am – 6.00 pm
Out of hours	Sunday Monday – Sunday	6.00 am – 6.00 pm 6.00 pm – 6.00 am

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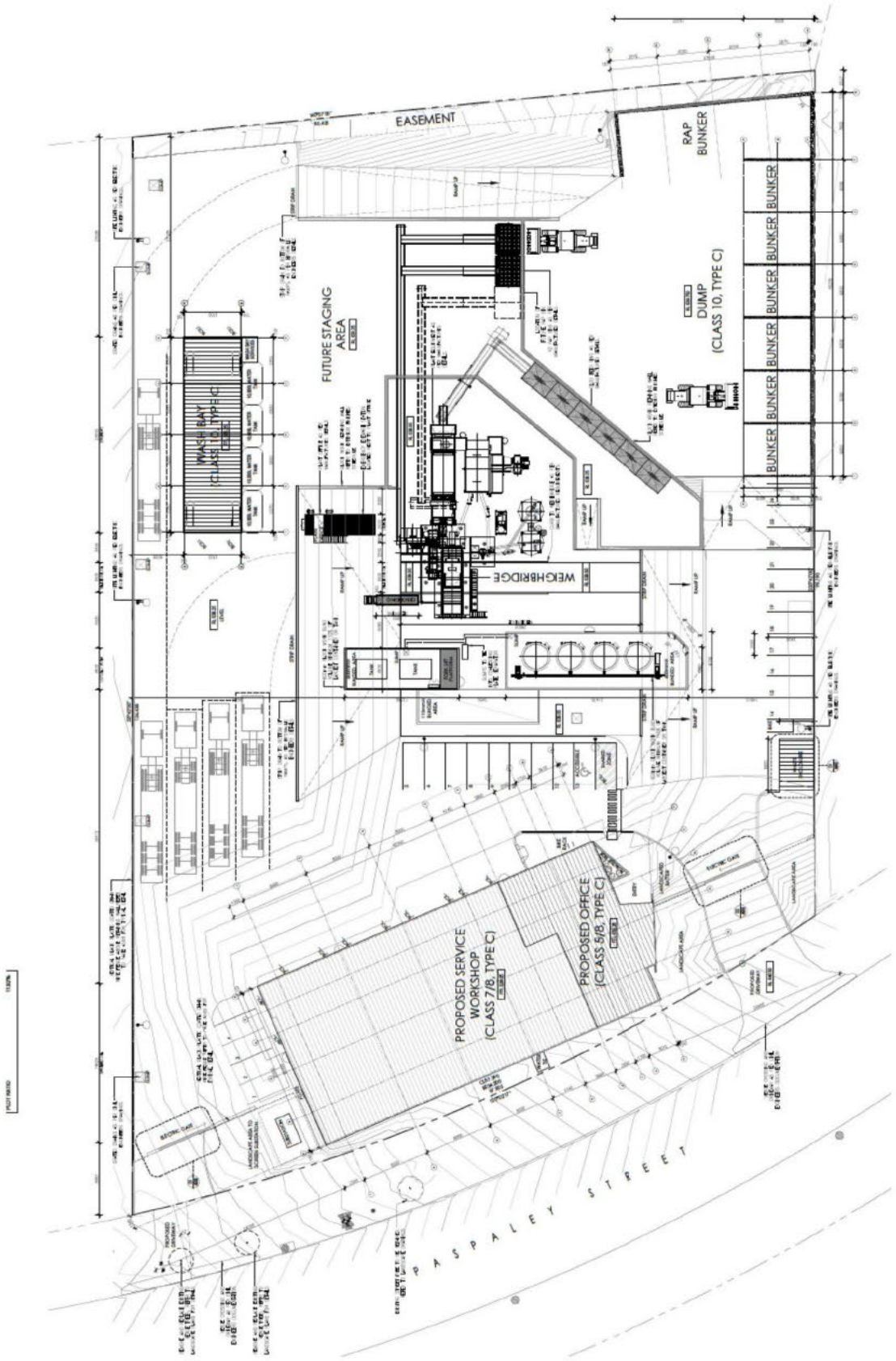
Figure 1 Site Location and Surrounds



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Figure 2 Site Layout



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1.4 Environment Management Plan

1.4.1 Scope

This Environment Management Plan (EMP) has been prepared to satisfy Condition 17 of EA 1247 in relation to the Capital Asphalt Plant. The specific requirements of this authorisation, along with where these requirements have been addressed within this document, are listed in **Table 3**.

Table 3 EMP Scope

Condition	EMP Section
Environmental Management Plan 17.1. Asphalt production cannot commence until the Authorisation holder has prepared and submitted an Environment Management Plan (EMP) acceptable to the Authority.	This document
17.2. The EMP should identify all activities that may have an adverse impact on the environment or the potential to cause environmental harm, and detail the mechanisms employed to prevent or minimise the impact of these activities. If required, the ways in which the conduct of the activity will be altered to minimise or reduce the adverse environmental impact of the activity is to be detailed including a timetable for implementation.	Section 3
17.3. The EMP, once accepted by the Authority is to be implemented. It will also form the basis for future Authorisation conditions and environmental improvements.	Noted
17.4. A copy of the EMP must be kept on the site.	Section 3.1
17.5. Where the mechanisms employed to prevent or minimise the adverse environmental impacts of the activity or the way in which the activity is carried out varies substantially from that detailed in the endorsed EMP, a revised EMP must be submitted.	Section 5

1.4.2 Objectives

The objectives of this EMP are to:

- Ensure the application of best practice environmental management;
- Ensure the relevant conditions imposed by EA 1247 are fully implemented and/or complied with;
- Identify the environmental issues associated with the Facility; and
- Ensure environmental risks associated with the operation of the development are properly managed.

1.4.3 Key Environmental Aspects

The key environmental aspects applicable to the operation of the Capital Asphalt Plant include:

- Noise
- Air quality
- Water;
- Visual amenity; and
- Waste and hazardous materials.

Details relating to the management of these environmental aspects are detailed in **Section 3**.

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2 Environmental Management Framework

2.1 Roles and Responsibilities

The key personnel responsible for environmental management at the facility, at the time of preparing this document, are listed in **Table 4**.

Table 4 Personnel Responsible for Environmental Management

Role	Responsibilities
General Manager	• Overall responsibility for environmental management and compliance with EA 1247 and relevant legislation; • Coordinate routine site inspections and maintenance; • Coordinate necessary environmental monitoring, reporting and/or auditing, along with necessary regulatory authority liaisons; • Record, notify, investigate and respond to any complaints and/or enquiries and, where necessary, develop and implement corrective actions; • Record, notify, investigate and respond to any environmental incidents and, where necessary, develop and implement corrective actions; • Oversee the implementation of this EMP and provide adequate resources to enable implementation of this EMP; and • Provide adequate environmental inductions/training to employees and contractors regarding their requirements under this EMP.
All employees and contractors	• Ensure familiarity, implementation and compliance with this EMP and appended management plans; • Support the company's commitment to environmental management and compliance; • Work in a manner that will not harm the environment or impact on surrounding receptors; • Report all environmental incidents and complaints to the General Manager without delay; and • Report any inappropriate operational and/or environmental management practices to the General Manager without delay.

2.2 Environmental Authorisation

EA 1247 imposes a number of environmental performance and management requirements applicable to the ongoing operation of the Facility. The conditions listed in EA 1247 are replicated in **Table 5** and a copy of EA 1247 is attached as **Appendix A.**

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Table 5 EA 1247 Conditions

EA 1247 Conditions	Relevance to this Report
1. Compliance with Environmental Authorisation	
1.1. The Authorisation holder shall: a) comply with any authorisation condition immediately where no time for compliance is stated; and b) notify the Authority in writing within 2 working days of becoming aware of: i. any event that causes, or is likely to cause, any authorisation condition to be exceeded; or ii. any monitoring data that show that a condition of the authorisation has been exceeded.	Noted
2. Activities must be carried out to protect the environment	
2.1. All activities carried out on the site shall be carried out in such a manner that adverse impact on the environment is minimised.	Section 3.1
3. Maintenance of plant and equipment	
3.1. All plant and equipment installed or used in or on the site shall be maintained in a safe and good condition and in accordance with manufacturer's recommendations.	Section 3.1
3.2. Records of all maintenance and repairs performed on pollution control equipment including air/carbon filtration systems, drainage systems, interceptors, separators and infrastructure shall be kept for a period of 2 years and made available to the Authority on request.	Section 3.1
4. Environmental Practices	
4.1 The Authorisation holder shall minimise emissions to the environment by adopting the practises set out in **Schedule 2.**	Section 3.1
5. Compliance with Australian Standards, Industry Codes of Practice and Policies	
5.1 The Authorisation holder shall comply with the provision of the following Australian Standards, Guidelines, Industry Codes of Practice and policies provided such provisions are not in conflict with the conditions in this Authorisation, and the provisions of any policies made by the Authority. • Environmental Guidelines for Petroleum Storage in the ACT. • AS 1940 – The Storage and Handling of Flammable and Combustible Liquids, Standards Association of Australia. • AS 4282 – Control of the obtrusive effects of outdoor lighting. • AS/NZS 5667.1 – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples. • Environment Protection Policies prepared under the *Environment Protection Act 1997*.	Section 3.6
6. Fuel Storage	
6.1 Where there are fuel storage tanks on the site the Authorisation holders shall ensure the tanks and associated pipe work are maintained in good condition. The proposed method of demonstrating the integrity of the tanks and associated pipe should be incorporated into the Authorisation holders Environment Management Plan required under section 17 of this Schedule.	Section 3.6

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EA 1247 Conditions	Relevance to this Report
6.2 Further to the provisions of clause 6.1, special requirements are applied to the abandonment of any aboveground or underground tanks and should the need arise, the Authorisation holder agrees to contact the Authority and Access Canberra Dangerous Substances Licensing on 13 22 81 or email to dangeroussubtances@act.gov.au.	Section 3.6
7. Reporting of Environmental Harm	
7.1 In the event that an incident has caused, is causing or is likely to cause material or serious environmental harm, whether the harm occurs on or off the site, the Authorisation holder, their employee or agent shall report the incident to the Authority immediately after it becomes known to the Authorisation holder or to their employee or agent in accordance with clause 7.2.	Section 2.5
7.2 The incident shall be reported to the Authority by telephoning Access Canberra on 13 22 81 during and outside business hours.	Section 2.5
7.3 The Authorisation holder shall notify the Authority in accordance with clause 7.2 immediately after becoming aware that land is contaminated in such a way as to present or to be likely to present – a) a significant risk of harm to human health; or b) a risk of material environmental harm or serious environmental harm *For the purposes of this section, the presence of phase separated hydrocarbon in groundwater constitutes material or serious environmental harm.*	Section 2.5
7.4 The Authorisation holder, their employee or agent shall also report an incident referred to in clause 7.1 and/or clause 7.3, in writing to the Authority within 2 working days of the incident occurring or becoming aware of contamination of land. The report must include: a) incident or activity that has caused contamination or environmental harm; b) nature of contamination and chemicals of concern; c) area affected (on or off site) d) aspects of the environment affected; e) any planned assessment or remediation; and f) any other relevant information. The report may be provided by email to environment.protection@act.gov.au.	Section 2.5
7.5 The Authorisation holder shall keep a record of all other matters, in relation to pollution from, or on, the site.	Section 2.5
8. Record of Pollution Complaints	
8.1 The Authorisation holder shall keep a legible record of all complaints received by its employees or its agents, in relation to pollution associated with activities on the site. This record is to be provided, on request, to the Authority and must be kept for a period of 5 years.	Section 2.6
9. Record of Activity Levels.	
9.1 The Authorisation holder shall maintain the following records: a) Annual production quantity of bituminous road building material.	Section 3.1
10. Records to be Maintained	

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EA 1247 Conditions	Relevance to this Report
10.1 The following records will be maintained and kept by the Authorisation holder for a period of five years. a) field sampling record sheets and chain of custody forms; b) results of monitoring of soils and groundwater; and c) reconciliation records for all fuels, oils and hazardous materials and wastes utilised and stored on site.	Section 3.1
10.2 The following records will be maintained and kept by the Authorisation holder for a period one (1) year: a) waste disposal certificates for any regulated or controlled wastes disposed off site. b) waste disposal certificates for any hazardous wastes disposed off site.	Section 3.1
11. Responsible Employees	
11.1 The Authorisation holder shall authorise at least two senior employees or agents: a) to speak on behalf of the Authorisation holder; and b) to provide any information or document required under this Authorisation.	Noted
11.2 The Authorisation holder shall inform the Authority of the names and telephone numbers (including after hours numbers) of those persons within five (5) working days of this Authorisation coming into force. The details may be provided by email to environment.protection@act.gov.au.	Noted
11.3 The Authorisation holder shall inform the Authority of any change in the information provided under clause 11.2 within five (5) working days of the change. The details may be provided by email to environment.protection@act.gov.au.	Noted
11.4 Any person nominated by the Authorisation holder to meet the requirements of clause 11.2 shall be readily contactable on the person's nominated telephone numbers.	Noted
12. Authorisation shall be kept on site	
12.1 A copy of this Authorisation shall be kept at the site and shall be available for inspection by any employee or agent of the Authorisation holder working at the site.	Section 3.1
13. Waste	
13.1 No waste material is to be incinerated on site.	Section 3.6
13.2 The Authorisation holder shall use licensed waste transporters to transport "controlled/regulated wastes" as defined in the *Environment Protection Act 1997* and the Environment Protection Regulation 2005. Information on Controlled Waste handling and transport can be obtained from the Authority on 13 22 81.	Section 3.6
14. Hazardous Materials	
14.1 The Authorisation holder shall store and manage hazardous materials in a manner that prevents adverse impacts on the environment. The handling and storage of hazardous materials should be addressed in the Environment Management Plan required under Section 17 of this Schedule.	Section 3.6
15. Discharge of Stormwater	
15.1 The Authorisation holder shall ensure that appropriate infrastructure is in place and maintained in good operating conditions to ensure that storm water is not contaminated as a result of the authorised activity.	Section 3.4

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EA 1247 Conditions	Relevance to this Report
15.2 The Authorisation holder shall not discharge any contaminants, directly or in-directly to land or surface waters as a result of the authorised activity unless in accordance with Schedule 2, Table 2.	Section 3.4
16. New Designs and Innovations	
16.1 The provisions of this Authorisation are not intended to limit the appropriate use of alternative materials, equipment, designs, or methods because they are not included.	Noted
17. Environmental Management Plan	
17.1 Asphalt production cannot commence until the Authorisation holder has prepared and submitted an Environment Management Plan (EMP) acceptable to the Authority.	This document
17.2 The EMP should identify all activities that may have an adverse impact on the environment or the potential to cause environmental harm, and detail the mechanisms employed to prevent or minimise the impact of these activities. If required, the ways in which the conduct of the activity will be altered to minimise or reduce the adverse environmental impact of the activity is to be detailed including a timetable for implementation.	Section 3
17.3 The EMP, once accepted by the Authority is to be implemented. It will also form the basis for future Authorisation conditions and environmental improvements.	Noted
17.4 A copy of the EMP must be kept on the site.	Section 3.1
17.5 Where the mechanisms employed to prevent or minimise the adverse environmental impacts of the activity or the way in which the activity is carried out varies substantially from that detailed in the endorsed EMP, a revised EMP must be submitted.	Section 5
18. Monitoring Requirements	
18.1 Annual Emission Monitoring a) Annual air monitoring on the asphalt plant emissions during normal commercial production shall be carried out in accordance with Schedule 2, Table 1, Conditions 1 and 2. b) The first annual stack test must be undertaken within one (1) month of the commercial production of asphalt. Subsequent annual testing is to be undertaken within a one month period from the date of the initial monitoring.	Section 4.1
18.2 Surface Water Monitoring Discharge to the stormwater system from the stormwater improvement device shall be monitored biannually for the parameters set out in Schedule 2, Table 2, condition 2.	Section 4.1
19. Air Quality Standards	
19.1 Air quality from the asphalt plant shall be managed with within the limits for the parameters as specified in Schedule 2, Table 1, Condition 1.	Section 3.3
20. Reporting Requirements	
20.1 A copy of the results of the annual stack emission monitoring must be forwarded to the Authority within four (4) weeks of sampling. If the results will not be available within four week the Authorisation holder is to advise the Authority in writing when the results are expected and the reason for the delay.	Section 4.2
20.2 A copy of the surface water monitoring results must be forwarded to the Authority within 10 working days of receiving the results.	Section 4.2
20.3 Monitoring results may be provided to the Authority by emailed to environment.protection@act.gov.au.	Section 4.2

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<table>
<tr><th>EA 1247 Conditions</th><th>Relevance to this Report</th></tr>
<tr><td colspan="2">21. Sampling Requirements</td></tr>
<tr><td>21.1 All sample collection, analysis and associated paperwork under this Authorisation shall be conducted in accordance with Australian Standard/New Zealand Standard 5667.1:1998, "Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples", and with the American Public Health Association, American Water Works Association, and the Water Pollution Control Federation Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1989, or other standards and methods agreed to by the Authority.</td><td>Section 4.2</td></tr>
<tr><td>21.2 The sample collection shall be undertaken and documented by a suitably qualified person in accordance with clause 21.1. All required documentation shall be countersigned by a person authorised under clause 11.1 and shall be made available for inspection by the Authority. Sample analysis of parameters shall be conducted by a person employed as an analyst in any of the following organisations:
a) a Government laboratory;
b) an Australian university;
c) a laboratory where Authorisation parameters are accredited by the National Association of Testing Authorities; or
d) a laboratory approved by the Authority.</td><td>Section 4.1</td></tr>
<tr><td colspan="2">22. Provision of Records</td></tr>
<tr><td>22.1 The Authorisation holder must provide any records required to be maintained under this Authorisation to the Authority upon request.</td><td>Section 4.2</td></tr>
<tr><td colspan="2">Schedule 2 – Table 1: Air Pollution</td></tr>
<tr><td>1. The operations at the site shall be managed to ensure that emissions from the asphalt plant do not exceed the following standards:
<table>
<tr><th>Parameter</th><th>Criteria</th></tr>
<tr><td>Solid particles (total)</td><td>50 mg/Nm³</td></tr>
<tr><td>Nitrogen dioxide</td><td>350 mg/Nm³</td></tr>
<tr><td>Volatile organic compounds (VOCs), as n-propane</td><td>40 mg/Nm³</td></tr>
</table></td><td>Section 3.3 and 4.2</td></tr>
<tr><td>2. For the purpose of assessment, monitoring shall be carried out in accordance with the New South Wales Protection of the Environment Operations (Clean Air) Regulation 2010, Schedule 5

The atmospheric emission points that require monitoring are:
Point 1 – _Dryer Stack (post-baghouse)</td><td>Section 4.1</td></tr>
<tr><td>3. The plant load out area must have suction fans installed and operating to capture emissions during loading operations. Vehicles are not to leave the load out area until they are tarped</td><td>Section 3.3</td></tr>
<tr><td>4. Vehicles carrying loads containing material which may become wind blown or spilt must be covered.</td><td>Section 3.3</td></tr>
<tr><td>5. Dust emissions from sealed roads, disturbed areas, stockpiles and machinery must be controlled to prevent environmental harm.</td><td>Section 3.3</td></tr>
<tr><td>6. Material storage bins/bunkers are to be confined on three sides, excluding Reclaimed Asphalt Production (RAP).</td><td>Section 3.3</td></tr>
<tr><td>7. Bitumen storage tank(s) are to be vented through a charcoal vapour trap.</td><td>Section 3.3</td></tr>
</table>

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<table>
<tr><th>EA 1247 Conditions</th><th>Relevance to this Report</th></tr>
<tr><td>8. Venting vapours must not impact adjoining premises.</td><td>Section 3.3</td></tr>
<tr><td>9. Take practical measures to ensure that the vents of petroleum (diesel) storage tank(s) are not blocked</td><td>Section 3.3</td></tr>
<tr><td colspan="2">Schedule 2 – Table 2: Water Pollution</td></tr>
<tr><td>1. Water catchment on the site must be managed to ensure that all run off from the asphalt plant and other waste generating activities is treated by a stormwater improvement device prior to leaving the site</td><td>Section 3.4</td></tr>
<tr><td>2. Discharges from the stormwater improvement device to the stormwater system are only permitted when the water quality meets the standards detailed below for pH, oil and grease and suspended solids or turbidity
<table>
<tr><th>Parameter</th><th>Criteria</th></tr>
<tr><td>pH</td><td>6 – 9</td></tr>
<tr><td>Suspended solids</td><td><25mg/L</td></tr>
<tr><td>Turbidity</td><td><30 NTU</td></tr>
<tr><td>Oil and Grease</td><td><10mg/L</td></tr>
</table>
</td><td>Section 3.4</td></tr>
<tr><td>3. The stormwater improvement device must be maintained in accordance with the manufacturer's specifications.</td><td>Section 3.4</td></tr>
<tr><td>4. Underground petroleum storage tanks are not permitted.</td><td>Section 3.4</td></tr>
<tr><td>5. Aboveground petroleum storage tanks must be installed in accordance with the Environmental Guidelines for Petroleum Storage in the ACT, Environment Protection Authority, June 2019.</td><td>Section 3.4</td></tr>
<tr><td>6. Appropriate spill kits must be kept on site and be readily accessible.</td><td>Section 3.4</td></tr>
<tr><td colspan="2">Schedule 2 – Table 3: Hazardous Materials/Waste</td></tr>
<tr><td>1. The storage of chemicals, fuels, oils, solvents, emulsions and additives must be contained within a bunded area at least 110% of the total capacity of the largest vessel</td><td>Section 3.6</td></tr>
<tr><td>2. Spills within the bunded area must be recovered, removed and disposed to a suitable licensed facility</td><td>Section 3.6</td></tr>
<tr><td colspan="2">Schedule 2 – Table 5: Noise Pollution</td></tr>
<tr><td>1. Operations at the site shall be managed so that noise levels do not exceed the following levels at any point on the boundary of the site:

Monday – Saturday 7am to 10pm - 65dB(A)
10pm to 7am - 55dB(A)

Sunday and Public Holidays 8am to 10pm - 65dB(A)
10pm to 8am - 55dB(A)

The noise standard specified is in accordance with the Environment Protection Regulation 2005 (for specific noise zones refer to www.legislation.act.gov.au).</td><td>Section 3.2</td></tr>
<tr><td colspan="2">Schedule 2 – Table 6: Light Pollution</td></tr>
</table>

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EA 1247 Conditions	Relevance to this Report
1. The operations at the site shall be managed to ensure the siting and aiming of outdoor lighting from the activities does not cause an environmental nuisance at the boundary of the site.	Section 3.5
Schedule 2 – Table 7: Odour Impacts	
1. The Authorisation holder shall take practicable measures to minimise offensive odour impacts operations beyond the boundaries of the site.	Section 3.5

2.3 Community Enquiries

All community enquiries must be forwarded to the Safety Manager. Relevant contact details, including a phone number for community enquiries, will be included online.

2.4 Environmental Training

It is the responsibility of the General Manager to ensure all employees and contractors are appropriately inducted and aware of their general obligations under this EMP. The General Manager will conduct monthly "toolbox talks" to ensure continuing awareness of environmental management expectations and responsibilities.

The topics to be covered during the induction and toolbox talks include:

- General site maintenance and management expectations and requirements;
- Familiarisation with site environmental controls;
- The environmental management commitments and responsibilities in this EMP (see **Section 3** and **4**);
- Appropriate response and management of environmental incidents in **Section 2.5**; and
- Appropriate response and management of complaints in **Section 2.6**.

Records of all training undertaken must be recorded and maintained in an Environmental Training Register to maintain consistency and for audit purposes.

2.5 Environmental Incidents

2.5.1 Objective

To ensure that any environmental incident caused by or relating to the operation of the Capital Asphalt Plant is effectively responded to, and any resulting adverse environment and/or human health impact is promptly prevented or effectively managed.

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2.5.2 Responsibility

The General Manager is responsible for ensuring that the appropriate management response and handling procedures are instigated and carried through in the event of an environmental incident. The induction and toolbox talks outlined in **Section 2.4** must be used to ensure all site employees and contractors are aware of and understand their obligations for incident response.

All employees and contractors are to:

- Notify the General Manager or Safety/Environmental Manager of any hazard or potential hazard that may result in an environmental incident, regardless of the nature or scale;
- Take immediate action to notify the General Manager or Safety/Environmental Manager of any environmental incident; and
- Take immediate action (where it is safe to do so) to prevent, stop, contain and/or minimise any adverse impact associated with an incident.

2.5.3 Notification Requirements

All environmental incidents will be reported in accordance with Condition 7 of EA 1247. Capital Asphalt will report the incident to the EPA via Access Canberra immediately after becoming aware of the incident i.e. immediately after becoming aware that land is contaminated in such a way as to present, or to be likely to present:

a. a significant risk of harm to human health: or

b. a risk of material environmental harm or serious environmental harm.

If the incident is an emergency then ACT Fire and Rescue should be contacted.

The appropriate contact details for the reporting an incident are outlined in **Table 6**.

Table 6 Authority Contact Details for Environmental Incidents

Authority	Contact Details
Access Canberra	13 22 81
ACT Fire and Rescue	000

In accordance with Condition 7.4 of EA 1247, within two working days of the incident, Capital Asphalt will notify the EPA in writing. The report will include:

- Incident or activity that has caused contamination or environmental harm;
- Nature of contamination and chemicals of concern;
- Area affected (on or off site);
- Aspects of the environment affected;
- Any planned assessment or remediation; and
- Any other relevant information.

The report will be provided by email to environment.protection@act.gov.au.

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2.5.4 Handling Procedure

Upon becoming aware of an environmental incident, the procedure outlined below must be followed.

1. **Preventative Action**

   Where possible and safe to do so, immediate action must be taken to prevent, stop, contain and/or minimise the environmental impact of the incident. The situation must be visually assessed and emergency response undertaken if required.

   In the unlikely event that an incident requires the evacuation of the site, actions will be completed in accordance with evacuation procedures. All employees and contractors are to be made aware of the location of emergency assembly areas through site inductions, signage and regular toolbox talks.

2. **Assistance**

   If adequate internal resources are not available and the incident threatens public health, property or the environment, it is essential that Fire and Rescue ACT be contacted by telephoning "000" for assistance.

   Contacting Fire and Rescue ACT does not negate the notification requirements in **Section 2.5.3**.

3. **Notify**

   Under the provisions of EA 1247, there is a duty to notify any incident that has caused or threatens to cause material harm to the environment and all relevant information about the incident. The specific duties to notify are outlined above in **Section 2.5.3**.

   In the event of a serious incident or emergency, it is more than likely that Fire and Rescue ACT will take control and manage the required investigation and remedial activities. Any instructions issued must be strictly adhered to.

4. **Investigate**

   Where safe to do so, undertake immediate investigative work to determine the cause of the incident.

5. **Remedial Action**

   Where safe to do so, undertake appropriate remedial action to address the cause of the incident or emergency and mitigate any further environmental impact. In some instances, outside resources such as specialist contractors/consultants may be required.

6. **Record**

   It is imperative that an honest assessment of the situation is carried out and documented in order to minimise the potential for similar events in the future. On this basis, every environmental incident is to be recorded in an *Incident Form* (see **Appendix B**). A copy of the completed report must be maintained on site.

   Condition 7.4 of EA 1247 requires that the EPA be provided with a detailed report within 2 working days of the incident.

7. **Preventative Action**

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Once the incident has been suitably handled, appropriate measures must be identified and implemented to negate the possibility of re-occurrence.

2.5.5 Incidents Register

An Environmental Incidents Register is to be maintained by Capital Asphalt. The register must contain the following:

- A copy of the environmental incident notification requirements and handling procedure contained in **Sections 2.5.3** and **2.5.4**;
- Site evacuation procedures;
- A separate reference sheet containing the contact details for the General Manager and Safety/Environmental Manager and the contact details of the regulatory authorities listed above in **Table 6**;
- Blank hard copies of the *Incident Form*; and
- Copies of all completed *Incident Forms* which are to be maintained on-site.

2.6 Environmental Complaints

2.6.1 Objective

To ensure that all environmental complaints in relation to the operation of the Capital Asphalt Plant are promptly and effectively received, handled and addressed.

2.6.2 Responsibility

The General Manager is responsible for ensuring that the appropriate management response and handling procedures are instigated and carried through in the event of an environmental complaint. The induction and toolbox talks outlined in **Section 2.4** must be used to ensure all site employees and contractors are aware of and understand their obligations for complaint response.

All employees and contractors who take receipt of a complaint, either verbal or written, are to immediately notify the General Manager.

2.6.3 Handling Procedure

Upon becoming aware of a complaint, the protocol outlined below must be followed.

1. Receive

In the normal course of events, the first contact for complaints will usually be made in person or by telephone. This will prompt an investigation into the complaint and a formal written complaint must be requested.

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Where the initial contact reaches an employee/contractor who is not a representative of Site Management, the call must be directed to the General Manager. If unavailable, the complainant's details must be taken with a view of returning the contact once the General Manager is in a position to discuss the matter. The complainant's name, address and contact details, along with the nature of the complaint, must be requested. If the complainant refuses to supply the requested information, a note must be made on the form and complainant advised of this.

2. **Investigate**

A field investigation must be initiated in an attempt to establish the legitimacy of the complaint and the cause of the problem. The General Manager must be consulted to identify any abnormality or incident that may have resulted in the complaint. Any monitoring information and/or records at and around the time of the complaint must be reviewed for any abnormality or incident that may have resulted in the complaint.

If the complaint is due to an incident, the notification requirements and handling procedures outlined in **Section 2.5** must be followed.

3. **Remedial Action**

Once the legitimacy and cause of the complaint has been established, every possible effort must be made to undertake appropriate remedial action(s) to fix the cause of the complaint and mitigate any further impact.

4. **Inform**

The investigative work and remedial action must be reported back to the complainant and, if necessary, the relevant authorities.

5. **Record**

It is imperative that an honest assessment of the situation is carried out and documented in order to minimise the potential for similar complaints in the future. On this basis, every complaint received is to be recorded in the *Complaint Form* (see **Appendix C**).

In accordance with Condition 8 of EA 1247, Capital Asphalt will keep a legible record of all complaints on the site. This record is to be provided, on request, to the EPA and will be kept for a period of 5 years.

6. **Preventative Action**

Once the complaint has been suitably handled, appropriate measures must be identified and implemented to negate the possibility of re-occurrence.

2.6.4 Complaints Register

An Environmental Complaints Register is to be maintained for Capital Asphalt. Each register must contain the following:

- A copy of the environmental complaint handling procedure contained in **Section 2.6.3**;
- A separate reference sheet containing the contact details for the General Manager;
- Blank hard copies of the *Complaint Form*; and

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- Copies of all completed *Complaint Forms*, which are to be maintained on-site for at least five years after the event to which they relate.

3 Environmental Management Commitments

Environmental aspects with the potential to be impacted by the operation of the Capital Asphalt Plant are addressed in the following sub-sections. These issues have specific regulatory requirements (imposed by EA 1247) and/or are considered to have the highest potential to result in a non-compliance with a legislative requirement or generate community complaints.

3.1 General

Table 7 lists the general environmental controls that will be implemented throughout the life of the Facility to minimise the potential for adverse impacts on the local environmental and surrounding receptors.

Table 7 General Environmental Management Controls

Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
All activities will be carried out in such a manner that adverse impact on the environment is minimised.	Management / Contractors / Employees	Ongoing	EA 1247 Condition 2.1
All plant and equipment installed or used in or on the site will be maintained in a safe and good condition and in accordance with manufacturer's recommendations			EA 1247 Condition 3.1
Records of all maintenance and repairs performed on pollution control equipment including air/carbon filtration systems, drainage systems, interceptors, separators and infrastructure will be kept and made available to the Authority on request.		For 2 years	EA 1247 Condition 3.2
The practises set out in Schedule 2 of EA 1247 will be implemented for the life of the Facility.		Ongoing	EA 1247 Condition 4.1
The annual production quantity of bituminous road building material will be recorded.	Management		EA 1247 Condition 9.1
The following records will be maintained and kept: a) field sampling record sheets and chain-of-custody forms; b) results of monitoring of soils and groundwater; and c) reconciliation records for all fuels, oils and hazardous materials and wastes utilised and stored on site.	Management / Contractors / Employees	For 5 years	EA 1247 Condition 10.1
The following records will be maintained and kept: a) waste disposal certificates for any regulated or controlled wastes disposed off-site. b) waste disposal certificates for any hazardous wastes disposed off-site.		For 1 year	EA 1247 Condition 10.2
A copy of EA 1247 will be kept at the site and will be available for inspection.	Management	Ongoing	EA 1247 Condition 12.1

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Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
A copy of the EMP will be kept on the site.			EA 1247 Condition 17.4

3.2 Noise

The operational noise criteria for the Capital Asphalt Plant is detailed in Schedule 2, Table 5, No.1 of EA 1247 and replicated in **Table 8**.

Table 8 Noise Criteria

Day	Time	Criteria
Monday – Saturday	7:00 am – 10:00 pm	65 dB(A)
	10:00 pm – 7:00 am	55 dB(A)
Sunday and Public Holidays	8:00 am – 10:00 pm	65 dB(A)
	10:00 pm – 8:00 am	55 dB(A)

The environmental management controls in **Table 9** will be implemented to minimise the potential for adverse noise emissions from the operation of the facility.

Table 9 Environmental Management Controls for Noise

Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
All activities will be carried out in such a manner that adverse impact on the environment is minimised.	Management / Contractors / Employees	Ongoing	EA 1247 Condition 2.1
Operations will be managed so that noise levels do not exceed the criteria outlined in **Table 8**. *Note: The specified noise criteria is in accordance with the Environment Protection Regulation 2005 (for specific noise zones refer to www.legislation.act.gov.au).*			Schedule 2, Table 5, No.1
All equipment, machinery and plant used on site will be maintained regularly to minimise noise generation.			Best practice
The simultaneous use of multiple items of significant noise generating equipment will be avoided wherever possible, scheduling operations so they are used separately rather than concurrently.			
Weather conditions will be monitored and where adverse conditions are experienced or predicted (such as high winds or temperature inversions), operational changes will be made to avoid or reduce noise impacts during these periods.	Management		
The sound power levels of all plant and equipment will be tested with all results maintained.			

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3.3 Air Quality and Odour

The air quality and odour criteria for the Capital Asphalt Plant is detailed in Schedule 2, Table 1, No.1 of EA 1247 and replicated in **Table 10**.

Table 10 Air Quality Criteria

Parameter	Criteria
Solid particles (total)	50 mg/Nm³
Nitrogen dioxide	350 mg/Nm³
Volatile organic compounds (VOCs), as n-propane	40 mg/Nm³
Odour Unit Volumes	5,000 OU.m3/s*

*In the event that odour monitoring determines Odour Unit Volumes in excess of the above (values assumed within development application odour modelling), a revised odour modelling exercise shall be completed to demonstrate that values monitored do not result in nuisance odour beyond the site boundary. Operations can continue while revised odour modelling is conducted.

The operations at the site shall be managed to ensure that odour is mitigated to an extent that it does not cause environmental nuisance beyond the site boundary.

The environmental controls in **Table 11** will be implemented to further minimise the potential for adverse air quality impacts associated with operational activities at the Facility.

Table 11 Environmental Management Controls for Air Quality and Odour

Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
All activities will be carried out in such a manner that adverse impact on the environment is minimised.	Management / Contractors / Employees	Ongoing	EA 1247 Condition 2.1
Air quality will be managed with within the limits for the parameters as specified in **Table 10**.	Plant Manager		EA 1247 Condition 19.1 and Schedule 2, Table 1, No.1
The plant load out area will have suction fans installed and operating to capture emissions during loading operations. Emissions from this source will be ducted to the baghouse prior to release through the dryer stack during hot mix asphalt production.		Prior to commencing operation and ongoing	Schedule 2, Table 1, No.3
All atmospheric emissions (particulate, odour and combustion emissions) from the burner dryer drum will be captured in a baghouse prior to release through the dryer stack during hot mix asphalt production.			

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Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
The vertical bucket elevator, aggregate separation screens, hot aggregate storage and pug mixer will be enclosed and sealed, and kept under negative pressure, with air ducted via the baghouse prior to release through the dryer stack during hot mix asphalt production.			
Transfer of asphalt from the pug mixer to the hot asphalt storage will occur in an enclosed space, under negative pressure. Upon release of asphalt from the pug mixer, odour / emissions will be drawn back into the mixer and then to the baghouse prior to release through the dryer stack during hot mix asphalt production.			
Vehicles will not leave the load out area until they are tarped.	Management / Contractors / Employees	Ongoing	Schedule 2, Table 1, No.3
Vehicles carrying loads containing material which may become windblown or spilt will be covered.			Schedule 2, Table 1, No.4
Dust emissions from sealed roads, disturbed areas, stockpiles and machinery will be controlled to prevent environmental harm.	Management		Schedule 2, Table 1, No.5
Material storage bins/bunkers will be confined on three sides, excluding Reclaimed Asphalt Production (RAP).		Prior to commencing operation and ongoing	Schedule 2, Table 1, No.6
Bitumen storage tank(s) will be vented through a charcoal vapour trap.		Ongoing	Schedule 2, Table 1, No.7
Practical measures will be taken to ensure that vapours from the vents of petroleum (diesel) storage tank(s) do not impact adjoining premises.			Schedule 2, Table 1, No.8
Practical measures will be taken to ensure that the vents of petroleum (diesel) storage tank(s) are not blocked.	Management	Ongoing	Schedule 2, Table 1, No.9
All vehicles and mobile plant will be switched off (i.e. not left idling) when not in use for an extended period of time.	Management / Contractors / Employees		Best practice
Dust will be suppressed through the watering.	Management	As required	
Where dusty conditions such as extreme heat and wind occurs, additional watering of dust producing activities will be undertaken or activities temporarily halted until such times that the dust source is under control.			
Trucks will switch off engines if idling time is likely to exceed 5 minutes.	Management / Contractors / Employees	Ongoing	
No materials will be burnt on site.			

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3.4 Water

As detailed in Schedule 2, Table 2, No.2 of EA 1247, the stormwater discharge quality criteria is stipulated in **Table 12**.

Table 12 Stormwater Discharge Quality Criteria

Parameter	Criteria
pH	6 – 9
Suspended solids	<25 mg/L
Turbidity	<30 NTU
Oil and Grease	<10 mg/L

The environmental controls in **Table 13** will be implemented to ensure the effective management of stormwater generated by Capital Asphalt.

Table 13 Environmental Management Controls for Water

Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
All activities will be carried out in such a manner that adverse impact on the environment is minimised.	Management / Contractors / Employees	Ongoing	EA 1247 Condition 2.1
Appropriate infrastructure will be place and maintained in good operating condition to ensure that stormwater is not contaminated as a result of site operations.	Management		EA 1247 Condition 15.1
Any contaminants will not be discharged, directly or in-directly to land or surface waters unless in accordance with **Table 12**.	Management / Contractors / Employees		EA 1247 Condition 15.2
Water catchment on the site will be managed to ensure that all run off from the asphalt plant and other waste generating activities is treated by a stormwater improvement device prior to leaving the site.	Management		Schedule 2, Table 2, No.1
Discharges from the stormwater improvement device to the stormwater system are only permitted when the water quality meets the standards detailed in **Table 12** for pH, oil and grease and suspended solids or turbidity.			Schedule 2, Table 2, No.2
The stormwater improvement device will be maintained in accordance with the manufacturer's specifications.			Schedule 2, Table 2, No.3
Underground petroleum storage tanks are not permitted.			Schedule 2, Table 2, No.4
Aboveground petroleum storage tanks will be installed in accordance with the *Environmental Guidelines for Petroleum Storage in the ACT* (EPA, June 2019).	Management / Contractors	As required	Schedule 2, Table 2, No.5

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Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
Appropriate spill kits will be kept on site and be readily accessible.	Management	Prior to commencing operation and ongoing	Schedule 2, Table 2, No.6
Water discharge management will be undertaken in accordance with the *Laboratory, Vehicle Wash Bay and Garbage Enclosure Approval* (IWTW-763896261-14026) issued by Icon Water.		Ongoing	Laboratory, Vehicle Wash Bay and Garbage Enclosure Approval

3.5 Visual Amenity

The environmental controls in **Table 14** will be implemented to minimise the visual impact of the Facility.

Table 14 Environmental Management Controls for Visual Amenity

Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
All activities will be carried out in such a manner that adverse impact on the environment is minimised.	Management / Contractors / Employees	Ongoing	EA 1247 Condition 2.1
The operations will be managed to ensure the siting and aiming of outdoor lighting from the activities does not cause an environmental nuisance at the boundary of the site.			Schedule 2, Table 6, No.1
Any security cameras will be directed away from adjacent private properties.	Management		Best practice
Suitable measures will be implemented to manage pests and vermin.			

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3.6 Waste and Hazardous Materials

Table 15 lists the management controls to be implemented to manage and/or dispose of waste and hazardous materials.

Table 15 Environmental Management Controls for Waste and Hazardous Materials

Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
All hazardous materials will be managed in accordance with: • AS 1940 – The Storage and Handling of Flammable and Combustible Liquids, Standards Association of Australia. • AS/NZS 5667.1 – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples. • Environment Protection Policies prepared under the *Environment Protection Act 1997*.	Management / Contractors / Employees	Ongoing	EA 1247 Condition 5.1
Fuel storage tanks and associated pipe will be maintained in good condition.	Management		EA 1247 Condition 6.1
Special requirements are applied to the abandonment of any aboveground or underground tanks and should the need arise, the EPA and Access Canberra Dangerous Substances Licensing will be on 13 22 81 or email to dangeroussubstances@act.gov.au.		As required	EA 1247 Condition 6.2
No waste material will be incinerated on site.	Management / Contractors / Employees	Ongoing	EA 1247 Condition 13.1
Licensed waste transporters will be used to transport "controlled/regulated wastes" as defined in the *Environment Protection Act 1997* and the *Environment Protection Regulation 2005*. Information on Controlled Waste handling and transport can be obtained from the EPA on 13 22 81.			EA 1247 Condition 13.2
Hazardous materials will be stored and managed in a manner that prevents adverse impacts on the environment.			EA 1247 Condition 14.1
The storage of chemicals, fuels, oils, solvents, emulsions and additives will be contained within a bunded area at least 110% of the total capacity of the largest vessel.			Schedule 2, Table 3, No.1
Spills within the bunded area will be recovered, removed and disposed to a suitable licensed facility.			Schedule 2, Table 3, No.2
All waste will be removed by an appropriately licenced contractor.	Management		Best practice
Waste records will be maintained.			
Sufficient space will be provided and maintained for recycling.			
Sufficient clearance will be provided to enable collection vehicles to access the bin storage area.			
Garbage and recycling bins will be appropriately labelled.			

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Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
Bins will be monitored to ensure no overfilling occurs.			
Garbage holding areas and storage rooms will be kept tidy.	Management	Ongoing	Best practice
Safety Data Sheets (SDS) will be kept in the Site office and/or safety system for any potentially hazardous goods stored and/or used on site.			
The actions specified on the relevant SDS will be implemented in the event of a minor spill/incident of a potentially hazardous material.	Management / Contractors / Employees		
Appropriate spill kits will be kept on site and be readily accessible.	Management	Prior to commencing operation and ongoing	

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4 Monitoring and Reporting

4.1 Monitoring

Table 15 summarises the monitoring requirements for Capital Asphalt as set out in EA 1247 and any relevant management plans.

Table 16 Monitoring Requirements

Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
General			
General environmental site inspections will be undertaken to ensure all relevant environmental controls listed in this EMP are in place and any required maintenance and/or remediation works are identified and undertaken.	Management	Weekly	Best practice
All sampling will be managed in accordance with: • AS/NZS 5667.1 – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples. • Environment Protection Policies prepared under the *Environment Protection Act 1997*.	Management / Contractors / Employees	Ongoing	EA 1247 Condition 5.1
All sample collection, analysis and associated paperwork will be conducted in accordance with AS/NZS 5667.1:1998, "*Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples*", the American Public Health Association, American Water Works Association, and the Water Pollution Control Federation *Standard Methods for the Examination of Water and Wastewater*, 18th Edition, 1989, or other standards and methods agreed to by the EPA.			EA 1247 Condition 21.1
All sample collection documentation will be countersigned by a person authorised under EA 1247, Condition 11.1 and will be made available for inspection by the EPA. Sample analysis of parameters shall be conducted by a person employed as an analyst in any of the following organisations: a) a Government laboratory; b) an Australian university; c) a laboratory where Authorisation parameters are accredited by the National Association of Testing Authorities; or d) a laboratory approved by the Authority.			EA 1247 Condition 21.2
Air Quality			
Annual air monitoring on the asphalt plant emissions will be undertaken during normal commercial production and will comply with **Table 10**.	Management	Annually	EA 1247 Condition 18.1(a) and Schedule 2, Table 1, No.1

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Environmental Management Control	Person Responsible	Timing / Frequency	References / Notes
The first annual stack test will be undertaken. Subsequent annual testing is to be undertaken within a one month period from the date of the initial monitoring.	Management	Within 1 month of commencing commercial operation. Subsequent testing = 1 month after then annually	EA 1247 Condition 18.1(b) and Schedule 2, Table 1, No.1
Monitoring will be carried out in accordance with the *New South Wales Protection of the Environment Operations (Clean Air) Regulation 2010*, Schedule 5.	Management / Contractors / Employees	Ongoing	Schedule 2, Table 1, No.2
Water			
Discharge to the stormwater system from the stormwater improvement device will be monitored for the parameters set out in **Table 12**.	Management	Every 6 months	EA 1247 Condition 18.2(a) and Schedule 2, Table 2, No.2
Waste and Hazardous Materials			
Fuel storage tanks and associated pipes will be inspected to ensure good conditioned.	Management	Monthly	EA 1247 Condition 6.1

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4.2 Reporting

Table 17 summarises the reporting requirements for the Capital Asphalt Plant as set out in EA 1247 and relevant management plans.

Table 17 Reporting Requirements

Reporting Requirement	Person Responsible	Timing / Frequency	References / Notes
General Environmental Performance			
Monitoring results will be provided to the EPA by email to environment.protection@act.gov.au.	Management	As required	EA 1247 Condition 20.3
Any records required to be maintained under EA 1247 will be provided to the EPA upon request.			EA 1247 Condition 22.1
Capital Asphalt will report environmental performance internally through regular management meetings and 'toolbox talks'. Items to be discussed include: • Results of any monitoring activities undertaken during the previous period; • Any environmental incidents that have occurred during the previous period, including the management/corrective actions taken; and • Any complaints that have been received during the previous period, including any management/corrective actions taken.		Quarterly or as needed	Best practice
Incident Reporting			
Capital Asphalt will "immediately" (or as soon as practical thereafter) notify the EPA upon the occurrence of an incident that causes (or may cause) material harm to the environment. Capital Asphalt will also provide a detailed report to the EPA within 2 working days of the date of the incident.	Management	Notification = Immediately following incident. Written notification = 2 working days following incident.	EA 1247 Condition 7
Air Quality			
A copy of the results of the annual stack emission monitoring will be forwarded to the EPA. If the results will not be available within four weeks, Capital Asphalt will advise the EPA in writing when the results are expected and the reason for the delay.	Management	Within 4 weeks of sampling	EA 1247 Condition 20.1
Water			
A copy of the surface water monitoring results will be forwarded to the EPA.	Management	Within 10 working days of receiving the results	EA 1247 Condition 20.2

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5 EMP Review

In accordance with Condition 17.5 or EA 1247, the EMP will be reviewed, updated and resubmitted where the mechanisms employed to prevent or minimise the adverse environmental impacts of the activity or the way in which operations at the Facility vary substantially from that approved EMP.

The EMP will also be reviewed if:

- EA 1247 is modified;
- There are significant changes to the operation and/or management of the Facility;
- It is identified that the performance of the facility is not meeting the objectives of this EMP; and/or
- At the request of the EPA.

All employees and contractors will be informed of any revisions to the EMP by Site Management during toolbox talks.

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APPENDIX A

EA 1247

APPENDIX B

Incident Form

APPENDIX C

Complaint Form

From: "McIntyre, Sara"
Sent: 15/07/2021 2:22 PM
To: Sch 2.2(a)(ii)
Subject: FW: EA: 1247 - Section 22, Block 67 - Initial Testing

OFFICIAL

Hi Sch 2.2(a)(ii)

I hope you are well.

Happy to grant an extension to 20 August due to current travel restrictions. We can then look at whether another extension is needed closer to this date if restrictions are still in place.

Kind regards,

Sara McIntyre | Environment Protection Officer | Office of the Environment Protection Authority
Phone: 02 6207 2144 | Mobile: Sch 2.2(a)(ii) email: sara.mcintyre@act.gov.au
Construction, Utilities and Environment Protection | Access Canberra | ACT Government
480 Northbourne Avenue, Dickson | GPO BOX 158 | CANBERRA ACT 2601 | www.accesscanberra.act.gov.au

Please note that my work hours are Monday to Friday, 9.30 am to 2.30 pm.

From: Sch 2.2(a)(ii)
Sent: Thursday, 15 July 2021 1:14 PM
To: Environment Protection <Environment.Protection@act.gov.au>
Subject: EA: 1247 - Section 22, Block 67 - Initial Testing

CAUTION: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi EPA,
I have just been advised that our environmental consultants cannot enter the ACT until early August to conduct the initial site testing of our asphalt production facility.

Our EA requires it by the end of July.

Can you please confirm a relaxation for the initial testing due to the border restrictions due to COVID?

Regards

Sch 2.2(a)(ii)

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058
Southern Asphalt Productions Pty Ltd ABN 64 639 561 943

From: Sch 2.2(a)(ii)
Sent: 12/11/2021 11:16 AM
To: "McIntyre, Sara" <Sara.McIntyre@act.gov.au>
Subject: Fwd: Oncoming sampling

CAUTION: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

FYI
Regards

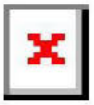


Sch 2.2(a)(ii)

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058
Southern Asphalt Productions Pty Ltd ABN 64 639 561 943




---------- Forwarded message ---------
From: Sch 2.2(a)(ii)
Date: Thu, Nov 11, 2021 at 2:46 PM
Subject: RE: Oncoming sampling
To:
Cc: Sch 2.2(a)(ii)

Hi Sch 2.2(a)(ii),

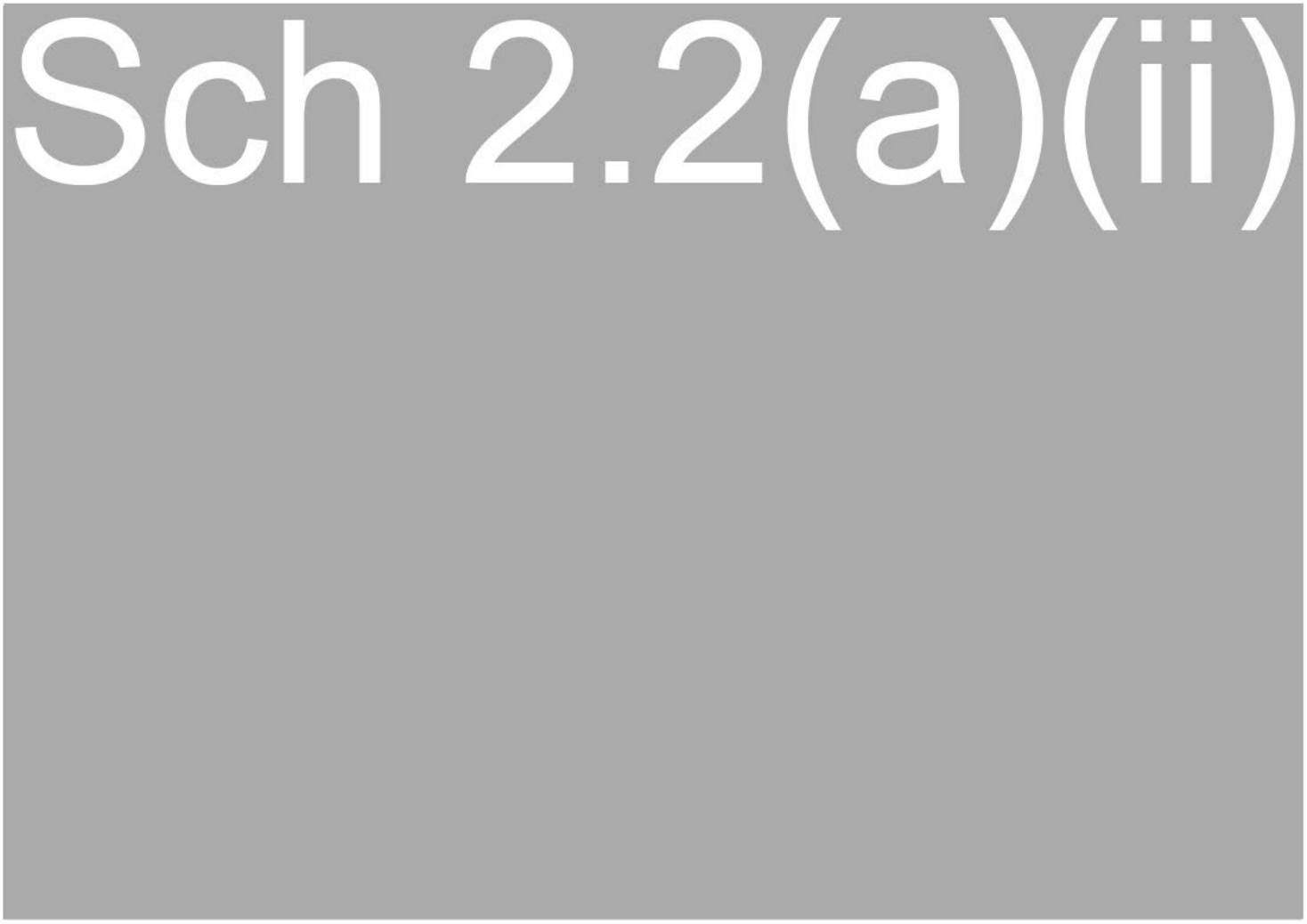
I hope this email finds you well.

We are organising testing for the 23rd of November. Could you please confirm the date suits you?

I am coming to Canberra next week, I was wondering if we could meet on site to have a quick chat regarding sampling logistics.

Thank you.

Kind regards,



From: Sch 2.2(a)(ii)
Sent: Wednesday, 10 November 2021 12:54 PM
To: Sch 2.2(a)(ii)
Cc: Sch 2.2(a)(ii)
Subject: RE: Oncoming sampling

Hi Sch 2.2(a)(ii),

Nice to hear from you.

I am working on organising the testing at the moment.

We are aiming for late November or beginning of December to complete the monitoring.

I will keep you informed depending of staff availability.

If you have further questions please do not hesitate to contact me.

Kind regards,

Sch 2.2(a)(ii)

From: Sch 2.2(a)(ii)
Sent: Tuesday, 9 November 2021 3:02 PM
To: Sch 2.2(a)(ii)
Cc: Sch 2.2(a)(ii)
Subject: Re: Oncoming sampling

Hi Team,

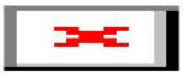
How are we looking at getting this testing completed?

There are currently no restrictions with vaccinated workers entering the ACT.

It would be great to get this completed this month.

Thanks.

Regards



Sch 2.2(a)(ii)

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058
Southern Asphalt Productions Pty Ltd ABN 64 639 561 943







On Tue, Sep 7, 2021 at 9:55 AM Sch 2.2(a)(ii) > wrote:

Hi Sch 2.2(a)(ii),

I hope this email finds you well.

Just following with the emission testing and current COVID situation.

At this stage we will not be able to perform the emission testing this week due to COVID restrictions in both NSW and ACT.

As soon as we can process travelling permits we will proceed immediately to organise testing.

If you have further questions please do not hesitate to contact me.

Thank you.

Kind regards,

Sch 2.2(a)(ii)

From: Sch 2.2(a)(ii)
Sent: Thursday, 5 August 2021 1:05 PM
To: Sch 2.2(a)(ii)
Cc: Sch 2.2(a)(ii)
Subject: RE: Oncoming sampling

Hi Sch 2.2(a)(ii),

I hope you are doing well.

As previously discussed we won't be able to organise testing this month given that the lockdown in NSW has been extended until the last week of August.

We won't be able to get a permit to perform the emission testing this month, and even if we do it will require 14 days of quarantine for the testing personnel.

As soon as we get a clearer idea of travelling allowances and permits we will proceed immediately to organise testing.

I have tentatively booked testing for the first week of September, providing that there are safe mean to proceed with testing.

If you have further questions please do not hesitate to contact me.

Thank you for understanding.

Kind regards,

Sch 2.2(a)(ii)

From: Sch 2.2(a)(ii)
Sent: Tuesday, 27 July 2021 3:30 PM
To: Sch 2.2(a)(ii)
Cc: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Subject: FW: Oncoming sampling

Hi Sch 2.2(a)(ii),

I hope this email finds you well.

Unfortunately sourcing staff from other cities/territories would be hard due to the current travel restrictions and quarantine orders. Additionally staff availability is strictly limited.

At the moment we can only wait for further advise from the public health authorities.

We are still aiming to proceed with the monitoring for Tuesday the 10th, COVID restrictions permitted.

If you have further concerns please do not hesitate to contact me.

Kind regards,

Sch 2.2(a)(ii)

From: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Sent: Monday, 26 July 2021 12:37 PM
To: Sch 2.2(a)(ii)
Subject: RE: Oncoming sampling

Hi Sch 2.2(a)(ii),

Thank you for your email.

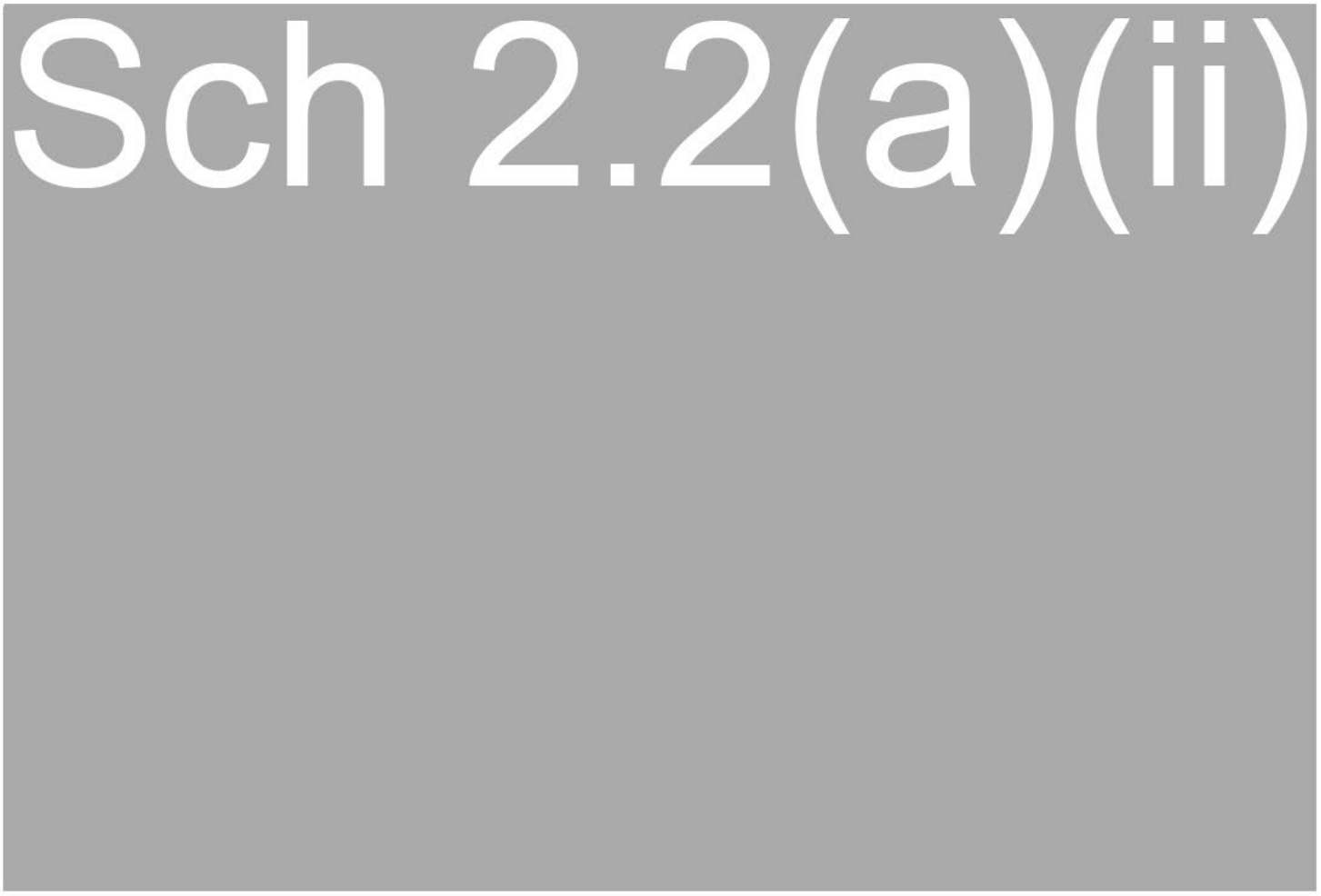
I just wanted to know if the date was ok. I am trying to think ahead further/ease actions in terms of travelling restrictions from the different states, in case they have to apply for permits.

I will firstly investigate if the job can be done by staff from other states that have not restrictions for travelling into the ACT.

Unfortunately at the moment the only available stuff comes from Wollongong and Sydney.

I will keep you update it.

Kind regards,



From: Sch 2.2(a)(ii)
Sent: Monday, 26 July 2021 12:18 PM
To: Sch 2.2(a)(ii)
Subject: Re: Oncoming sampling

Hi Sch 2.2(a)(ii),

I have approval until the 20th of August. Do you think you can have the reporting completed by then?

Sch 2.2(a)(ii)

On Mon, Jul 26, 2021 at 12:07 PM Sch 2.2(a)(ii) wrote:

Hi Sch 2.2(a)(ii),

I hope this email finds you well.

I was wondering if you have had any updates from the EPA.

I have schedule sampling for the Tuesday 10th of August, COVID permitted.

Kind regards,

Sch 2.2(a)(ii)

Sch 2.2(a)(ii)

From: Sch 2.2(a)(ii)
Sent: Thursday, 15 July 2021 1:11 PM
To: Sch 2.2(a)(ii)
Subject: Re: Oncoming sampling

Hi Sch 2.2(a)(ii),

I will touch base with the EPA to make sure this is acceptable.

See attached photo of the ports on the stack. There is two and they appear to be about 3 inches each.

Regards

Sch 2.2(a)(ii)

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058

Southern Asphalt Productions Pty Ltd ABN 64 639 561 943

On Tue, Jul 13, 2021 at 7:27 PM Sch 2.2(a)(ii) wrote:

Hi Sch 2.2(a)(ii),

I hope this email finds you well.

I tried to contact you today but I was lucky.

Unfortunately, due to COVID restrictions and stuff availability, the next available time to perform the stack testing is in the week 9th to 13th of August depending on Covid restrictions. Please advise what day suits you better on that week.

Thank you for facilitating the EWP to perform this job.

Can you please confirm if the stack has 1 port or 2 ports for sampling?

If you have any further questions please do not hesitate to contact me.

Kind regards,

Sch 2.2(a)(ii)

From: "Dorji, Tshering"
Sent: 07/08/2023 2:24 PM
To: Sch 2.2(a)(ii)
Subject: RE: Stack emission and stormwater sampling tests- Southern Asphalt Production Pty Ltd (EA 1247)

OFFICIAL

Hi Sch 2.2(a)(ii),

Thank you for the stack emission test reports for 2021 and 2022.

Can you please ensure that a copy of the annual stack emission result is submitted to the EPA within 4 weeks from the date of sampling and a copy of the surface water monitoring result is submitted within 10 working days after receiving the result in future as per condition 20.1 and 20.2 respectively?

Look forward to receiving the water test report.

Regards,

Tshering Dorji

From: Sch 2.2(a)(ii)
Sent: Monday, 7 August 2023 1:56 PM
To: Dorji, Tshering <Tshering.Dorji@act.gov.au>
Subject: Re: Stack emission and stormwater sampling tests- Southern Asphalt Production Pty Ltd (EA 1247)

Caution: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe. Learn why this is important

Hi Tshering, Sorry for the late reply.

Attached is the results from the stack testing as per Cl. 18.1, 19.1 and 20.1.

I will have the water test reports to you by the end of next week.

Thank you.

Regards

Sch 2.2(a)(ii)

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058
Southern Asphalt Productions Pty Ltd ABN 64 639 561 943

On Mon, Jul 24, 2023 at 4:18 PM Dorji, Tshering <Tshering.Dorji@act.gov.au> wrote:

OFFICIAL

Hi Sch 2.2(a)(ii),

As discussed over the phone, can you please email me the emission tests and stormwater sampling results as required by conditions 18, 19, 20, Table 1 item 1 and Table 2 item 2 of the Environmental Authorisation- 1247 ?

Kind regards

Tshering Dorji | Environment Protection Officer
Phone: +61 02-62072144 | Sch 2.2(a)(ii) | Email: tshering.dorji@act.gov.au
Environment Protection | Access Canberra | ACT Government
Dickson Office Block | 480 Northbourne Avenue Dickson | GPO Box 158 Canberra ACT 2601 |
www.accesscanberra.act.gov.au

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Ektimo

Southern Asphalt Production Pty Ltd
Emission Testing Report
Report Number R014109

Document Information

Template Version 190722

Client Name:	Southern Asphalt Production Pty Ltd
Report Number:	R014109
Date of Issue:	4 January 2023
Attention:	Sch 2.2(a)(ii)
Address:	95 Northbourne Ave Turner ACT 2612
Testing Laboratory:	Ektimo Pty Ltd, ABN 86 600 381 413

Report Authorisation

Sch 2.2(a)(ii)

NATA Accredited Laboratory
No. 14601

Sch 2.2(a)(ii)

Accredited for compliance with ISO/IEC 17025 - Testing. NATA is a signatory to the ILAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration, and inspection reports.

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Please note that only numerical results pertaining to measurements conducted directly by Ektimo are covered by Ektimo's terms of NATA accreditation as described in the Test Methods table. This does not include calculations that use data supplied by third-parties, comments, conclusions, or recommendations based upon the results. Refer to 'Test Methods' for full details of testing covered by NATA accreditation.

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1 Executive Summary

1.1 Background

Ektimo was engaged by Southern Asphalt Production Pty Ltd to perform emission testing at their Capital Asphalt plant, Canberra. Testing was carried out in accordance with Environmental Authorisation No. 1247 under Environmental Protection Act 1997.

1.2 Project Objective

The objective of the project was to conduct a monitoring programme to quantify emissions from one (1) discharge point.

Monitoring was performed as follows:

Location	Test Date	Test Parameters*
Dryer Stack	1 December 2022	Solid particles Nitrogen dioxide, nitrogen oxides, carbon dioxide, oxygen Volatile organic compounds (VOCs) as n-propane

* Flow rate, velocity, temperature, and moisture were also determined.

All results are reported on a dry basis at STP.

1.3 Result Summary

The following result summary shows that all analytes highlighted in green are within the licence limit set by the Environmental Authorisation No. 1247 under the Environmental Protection Act 1997 (dated on 15 December 2020).

EPA No.	Pollutant	Units	Criteria	Detected values 01-Dec-22
Dryer Stack (post-baghouse)	Solid particles (total)	mg/Nm^3	50	<2
	Nitrogen dioxide (as NO_2)	mg/Nm^3	350	<2
	Volatile organic compounds (VOCs) as n-propane	mg/Nm^3	40	<0.2

Please note that the measurement uncertainty associated with the test results was not considered when determining whether the results were compliant or non-compliant.

Refer to the Test Methods table for the measurement uncertainties.

2 Results

2.1 Dryer Stack

Date	1/12/2022	**Client**	Southern Asphalt Production Pty Ltd
Report	R014109	**Stack ID**	Dryer Stack
Licence No.	1247	**Location**	Hume
Ektimo Staff	Sch 2.2(a)(ii)	**State**	ACT
Process Conditions	Please refer to client records.		221129

Sampling Plane Details		
Sampling plane dimensions	1080 mm	
Sampling plane area	0.916 m²	
Sampling port size, number & depth	2" BSP (x2), 140 mm	
Access & height of ports	Elevated work platform 8 m	
Duct orientation & shape	Vertical Circular	
Downstream disturbance	Exit 4 D	
Upstream disturbance	Change in diameter 6 D	
No. traverses & points sampled	2 12	
Sample plane conformance to AS 4323.1	Conforming but non-ideal	

The sampling plane is deemed to be non-ideal due to the following reasons:
The sampling plane is too near to the upstream disturbance but is greater than or equal to 2D

Stack Parameters		
Moisture content, %v/v	19	
Gas molecular weight, g/g mole	27.3 (wet)	29.5 (dry)
Gas density at STP, kg/m³	1.22 (wet)	1.32 (dry)
Gas density at discharge conditions, kg/m³	0.86	
Gas Flow Parameters		
Flow measurement time(s) (hhmm)	1410	
Temperature, °C	88	
Velocity at sampling plane, m/s	15	
Volumetric flow rate, actual, m³/s	14	
Volumetric flow rate (wet STP), m³/s	9.6	
Volumetric flow rate (dry STP), m³/s	7.8	
Mass flow rate (wet basis), kg/hour	42000	

Gas Analyser Results	Average		Minimum		Maximum	
Sampling time	1430 - 1529		1430 - 1529		1430 - 1529	
	Concentration mg/m³	Mass Rate g/min	Concentration mg/m³	Mass Rate g/min	Concentration mg/m³	Mass Rate g/min
Combustion Gases						
Nitrogen dioxide (as NO_2)	<2	<1	<2	<1	3.9	1.8
Nitrogen oxides (as NO_2)	59	28	46	22	67	31
	Concentration % v/v		Concentration % v/v		Concentration % v/v	
Carbon dioxide	5.3		3.2		5.6	
Oxygen	13		12.7		16	

Isokinetic Results	Results	
Sampling time	1424-1541	
	Concentration mg/m³	Mass Rate g/min
Total particulate matter	<2	<1
Isokinetic Sampling Parameters		
Sampling time, min	60	
Isokinetic rate, %	104	
Gravimetric analysis date (total particulate)	19-12-2022	

Date	1/12/2022	**Client**	Southern Asphalt Production Pty Ltd
Report	R014109	**Stack ID**	Dryer Stack
Licence No.	1247	**Location**	Hume
Ektimo Staff	Sch 2.2(a)(ii)	**State**	ACT
Process Conditions	Please refer to client records.		*221129*

Total VOCs (as n-Propane)	Results	
	Concentration mg/m³	Mass Rate g/min
Total	<0.2	<0.1

VOC's C5-C20	Results	
Sampling time	1440-1540	
	Concentration mg/m³	Mass Rate g/min
Detection limit[1]	<0.2	<0.1

(1) Unless otherwise reported, the following target compounds were found to be below detection:
Ethanol, Acetone, Isopropanol, Pentane, 1,1-Dichloroethene, Acrylonitrile, Dichloromethane, trans-1,2-Dichloroethene, Methyl ethyl ketone, n-Hexane, cis-1,2-Dichloroethene, Ethyl acetate, Chloroform, 1,1,1-Trichloroethane, 1,2-Dichloroethane, Cyclohexane, Benzene, Carbon tetrachloride, Butanol, Isopropyl acetate, 2-Methylhexane, 2,3-Dimethylpentane, 1-Methoxy-2-propanol, 3-Methylhexane, Heptane

3 Plant Operating Conditions

See Southern Asphalt Production Pty Ltd records for complete process conditions.

4 Test Methods

All sampling and analysis performed by Ektimo unless otherwise specified. Specific details of the methods are available upon request.

Parameter	Sampling method	Analysis method	Uncertainty*	NATA accredited Sampling	NATA accredited Analysis
Sampling points - Selection	NSW EPA TM-1 (AS 4323.1)	NA	NA	✓	NA
Flow rate, temperature & velocity	NSW EPA TM-2 (USEPA Method 2)	NSW EPA TM-2 (USEPA Method 2)	8%, 2%, 7%	NA	✓
Moisture content	NSW EPA TM-22 (USEPA Method 4)	NSW EPA TM-22 (USEPA Method 4)	8%	✓	✓
Molecular weight	NA	NSW EPA TM-23 (USEPA Method 3)	not specified	NA	✓
Dry gas density	NA	NSW EPA TM-23 (USEPA Method 3)	not specified	NA	✓
Carbon dioxide	NSW EPA TM-24 (USEPA Method 3A)	NSW EPA TM-24 (USEPA Method 3A)	13%	✓	✓
Nitrogen oxides	NSW EPA TM-11 (USEPA Method 7E)	NSW EPA TM-11 (USEPA Method 7E)	12%	✓	✓
Oxygen	NSW EPA TM-25 (USEPA Method 3A)	NSW EPA TM-25 (USEPA Method 3A)	13%	✓	✓
Speciated volatile organic compounds (VOCs)	NSW EPA TM-34[d] (USEPA Method 18)	Ektimo 344	19%	✓	✓†
Solid particles (total)	NSW EPA TM-15 (AS 4323.2)	NSW EPA TM-15 (AS 4323.2)	3%	✓	✓††

221102

* Uncertainties cited in this table are estimated using typical values and are calculated at the 95% confidence level (coverage factor = 2).
† Analysis conducted at the Ektimo Mitcham, VIC laboratory, NATA accreditation number 14601. Result was reported on 21 December 2022 in report LV-003783.
†† Gravimetric analysis conducted at the Ektimo, NSW laboratory, NATA accreditation number 14601.
d Excludes recovery study as specified in Section 8.4.3 of USEPA Test Method 18.

5 Quality Assurance/Quality Control Information

Ektimo is accredited by the National Association of Testing Authorities (NATA) for the sampling and analysis of air pollutants from industrial sources. Unless otherwise stated test methods used are accredited with the National Association of Testing Authorities. For full details, search for Ektimo at NATA's website www.nata.com.au.

Ektimo is accredited by NATA to ISO/IEC 17025 - Testing. ISO/IEC 17025 - Testing requires that a laboratory have adequate equipment to perform the testing, as well as laboratory personnel with the competence to perform the testing. This quality assurance system is administered and maintained by the Quality Director.

NATA is a member of APAC (Asia Pacific Accreditation Co-operation) and of ILAC (International Laboratory Accreditation Co-operation). Through mutual recognition arrangements with these organisations, NATA accreditation is recognised worldwide.

6 Definitions

The following symbols and abbreviations may be used in this test report:

% v/v	Volume to volume ratio, dry or wet basis
~	Approximately
<	Less than
>	Greater than
≥	Greater than or equal to
APHA	American Public Health Association, Standard Methods for the Examination of Water and Waste Water
AS	Australian Standard
BSP	British standard pipe
CARB	Californian Air Resources Board
CEM/CEMS	Continuous emission monitoring/Continuous emission monitoring system
CTM	Conditional test method
D	Duct diameter or equivalent duct diameter for rectangular ducts
D_{50}	'Cut size' of a cyclone is defined as the particle diameter at which the cyclone achieves a 50% collection efficiency i.e. half of the particles are retained by the cyclone and half pass through it. The D_{50} method simplifies the capture efficiency distribution by assuming that a given cyclone stage captures all of the particles with a diameter equal to or greater than the D_{50} of that cyclone and less than the D_{50} of the preceding cyclone.
DECC	Department of Environment & Climate Change (NSW)
Disturbance	A flow obstruction or instability in the direction of the flow which may impede accurate flow determination. This includes centrifugal fans, axial fans, partially closed or closed dampers, louvres, bends, connections, junctions, direction changes or changes in pipe diameter.
DWER	Department of Water and Environmental Regulation (WA)
DEHP	Department of Environment and Heritage Protection (QLD)
EPA	Environment Protection Authority
FTIR	Fourier transform infra-red
ISC	Intersociety Committee, Methods of Air Sampling and Analysis
ISO	International Organisation for Standardisation
ITE	Individual threshold estimate
Lower bound	When an analyte is not present above the detection limit, the result is assumed to be equal to zero.
Medium bound	When an analyte is not present above the detection limit, the result is assumed to be equal to half of the detection limit.
NA	Not applicable
NATA	National Association of Testing Authorities
NIOSH	National Institute of Occupational Safety and Health
NT	Not tested or results not required
OM	Other approved method
OU	Odour unit. One OU is that concentration of odorant(s) at standard conditions that elicits a physiological response from a panel equivalent to that elicited by one Reference Odour Mass (ROM), evaporated in one cubic metre of neutral gas at standard conditions.
PM_{10}	Particulate matter having an equivalent aerodynamic diameter less than or equal to 10 microns (µm).
$PM_{2.5}$	Particulate matter having an equivalent aerodynamic diameter less than or equal to 2.5 microns (µm).
PSA	Particle size analysis. PSA provides a distribution of geometric diameters, for a given sample, determined using laser diffraction.
RATA	Relative accuracy test audit
Semi-quantified VOCs	Unknown VOCs (those for which an analytical standard is not available), are identified by matching the mass spectrum of the chromatographic peak to the NIST Standard Reference Database (version 14.0), with a match quality exceeding 70%. An estimated concentration is determined by matching the area of the peak with the nearest suitable compound in the analytical calibration standard mixture.
STP	Standard temperature and pressure. Gas volumes and concentrations are expressed on a dry basis at 0 °C, at discharge oxygen concentration and an absolute pressure of 101.325 kPa.
TM	Test method
TOC	Total organic carbon. This is the sum of all compounds of carbon which contain at least one carbon-to-carbon bond, plus methane and its derivatives.
USEPA	United States Environmental Protection Agency
VDI	Verein Deutscher Ingenieure (Association of German Engineers)
Velocity difference	The percentage difference between the average of initial flows and after flows.
Vic EPA	Victorian Environment Protection Authority
VOC	Volatile organic compound. A carbon-based chemical compound with a vapour pressure of at least 0.010 kPa at 25°C or having a corresponding volatility under the given conditions of use. VOCs may contain oxygen, nitrogen and other elements. VOCs do not include carbon monoxide, carbon dioxide, carbonic acid, metallic carbides and carbonate salts.
XRD	X-ray diffractometry
Upper bound	When an analyte is not present above the detection limit, the result is assumed to be equal to the detection limit.
95% confidence interval	Range of values that contains the true result with 95% certainty. This means there is a 5% risk that the true result is outside this range.

7 Appendix 1: Site Photo



Figure 1 – Dryer Stack

Ektimo

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WA 6164
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Morningside
QLD 4170
AUSTRALIA

Ektimo

REPORT NUMBER R012046

Emission Testing Report

Capital Asphalt Stack

Southern Asphalt Productions Pty Ltd.
c/o SLR Consulting Australia Pty Ltd

Document Information

Template Version; 230621

Client Name:	Southern Asphalt Productions Pty Ltd. c/o SLR Consulting Australia Pty Ltd
Report Number:	R012046
Date of Issue:	21 December 2021
Attention:	Sch 2.2(a)(ii)
Address:	120 High Street North Sydney NSW 2060
Testing Laboratory:	Ektimo Pty Ltd, ABN 86 600 381 413

Report Authorisation

Sch 2.2(a)(ii)

NATA Accredited Laboratory
No. 14601

Sch 2.2(a)(ii)

Accredited for compliance with ISO/IEC 17025 - Testing. NATA is a signatory to the ILAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

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1 EXECUTIVE SUMMARY

1.1 Background

Ektimo was engaged by SLR Consulting Australia Pty Ltd on behalf of Southern Asphalt Productions Pty Ltd to perform emission testing at Capital Asphalt, Canberra. Testing was carried out in accordance with Environmental Authorisation under the Environment Protection Act 1997.

1.2 Project Objective

The objective of the project was to conduct a monitoring programme to quantify emissions from one discharge point.

Monitoring was performed as follows:

Location	Test Date	Test Parameters*
Dryer Stack	23 November 2021	Solid particles Nitrogen dioxide, nitrogen oxides, carbon dioxide, oxygen Volatile organic compounds (VOCs) as n-propane

* Flow rate, velocity, temperature and moisture were also determined.

All results are reported on a dry basis at STP.

Plant operating conditions have been noted in the report.

1.3 Results Summary

The following licence comparison table shows that all analytes highlighted in green are within the licence limit set by the Environmental Authorisation under the Environment Protection Act 1997.

EPA No.	Pollutant	Units	Criteria	Detected values 23/11/21
Dryer Stack (post-baghouse)	Solid particles (total)	mg/Nm^3	50	<2
	Nitrogen dioxide (as NO_2)	mg/Nm^3	350	<2
	Volatile organic compounds (VOCs) as n-propane	mg/Nm^3	40	0.41

Please note that the measurement uncertainty associated with the test results was not considered when determining whether the results were compliant or non-compliant.

Refer to the Test Methods table for the measurement uncertainties.

2 RESULTS

2.1 Dryer Stack

Date	23/11/2021	**Client**	Southern Asphalt Productions Pty Ltd.
Report	R012046	**Stack ID**	Dryer Stack
Licence No.	-	**Location**	Hume
Ektimo Staff	Sch 2.2(a)(ii)	**State**	ACT
Process Conditions	Plant operating on 20 Heavy Duty, 115 tonnes/hour		21115

Sampling Plane Details	
Sampling plane dimensions	1080 mm
Sampling plane area	0.916 m²
Sampling port size, number & depth	2" BSP (x2), 80 mm
Access & height of ports	Elevated work platform 8 m
Duct orientation & shape	Vertical Circular
Downstream disturbance	Exit 3 D
Upstream disturbance	Change in diameter 6 D
No. traverses & points sampled	2 12
Sample plane compliance to AS4323.1 (1995)	Ideal

Stack Parameters		
Moisture content, %v/v	18	
Gas molecular weight, g/g mole	27.6 (wet)	29.7 (dry)
Gas density at STP, kg/m³	1.23 (wet)	1.33 (dry)
Gas density at discharge conditions, kg/m³	0.91	
Gas Flow Parameters		
Flow measurement time(s) (hhmm)	0928 & 1042	
Temperature, °C	73	
Temperature, K	346	
Velocity at sampling plane, m/s	13	
Volumetric flow rate, actual, m³/s	11	
Volumetric flow rate (wet STP), m³/s	8.5	
Volumetric flow rate (dry STP), m³/s	6.9	
Mass flow rate (wet basis), kg/hour	38000	

Gas Analyser Results	Average		Minimum		Maximum	
Sampling time	0935 - 1034		0935 - 1034		0935 - 1034	
	Concentration mg/m³	Mass Rate g/min	Concentration mg/m³	Mass Rate g/min	Concentration mg/m³	Mass Rate g/min
Combustion Gases						
Nitrogen dioxide (as NO_2)	<2	<0.9	<2	<0.9	<2	<0.9
Nitrogen oxides (as NO_2)	77	32	68	28	86	36
	Concentration %v/v		Concentration %v/v		Concentration %v/v	
Carbon dioxide	6.6		5.1		7.4	
Oxygen	13.1		12.1		13.6	

Isokinetic Results	Results	
Sampling time	0935-1038	
	Concentration mg/m³	Mass Rate g/min
Total particulate matter	<2	<0.9
Isokinetic Sampling Parameters		
Sampling time, min	60	
Isokinetic rate, %	109	
Velocity difference, %	-8	
Gravimetric analysis date (total particulate)	29-11-2021	

Date	23/11/2021	**Client**	Southern Asphalt Productions Pty Ltd.
Report	R012046	**Stack ID**	Dryer Stack
Licence No.	-	**Location**	Hume
Ektimo Staff	Sch 2.2(a)(ii)	**State**	ACT
Process Conditions	Plant operating on 20 Heavy Duty, 115 tonnes/hour		21115

Total VOCs (as n-Propane)	Results	
Sampling time	0935-1035	
	Concentration mg/m³	Mass Rate g/min
Total	0.41	0.17

VOC's C5-C20	Results	
Sampling time	0935-1035	
	Concentration mg/m³	Mass Rate g/min
Detection limit(1)	<0.08	<0.03
Benzene	0.4	0.17
Toluene	0.39	0.16

(1) Unless otherwise reported, the following target compounds were found to be below detection:
Dichloromethane, Ethanol, Isopropanol, 1,1-Dichloroethene, trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, Chloroform, 1,1,1-Trichloroethane, 1,2-Dichloroethane, Carbon tetrachloride, Butanol, 1-Methoxy-2-propanol, Trichloroethylene, 1,1,2-Trichloroethane, Tetrachloroethene, Chlorobenzene, Ethylbenzene, m +p-Xylene, Styrene, o-Xylene, 2-Butoxyethanol, 1,1,2,2-Tetrachloroethane, Isopropylbenzene, Propylbenzene, 1,3,5-Trimethylbenzene, tert-Butylbenzene, 1,2,4-Trimethylbenzene, 1,2,3-Trimethylbenzene, Acetone, Pentane, Acrylonitrile, Methyl ethyl ketone, n-Hexane, Ethyl acetate, Cyclohexane, Isopropyl acetate, 2-Methylhexane, 2,3-Dimethylpentane, 3-Methylhexane, Heptane, Ethyl acrylate, Methyl methacrylate, Propyl acetate, Methylcyclohexane, Methyl Isobutyl Ketone, 2-Hexanone, Octane, Butyl acetate, 1-Methoxy-2-propyl acetate, Butyl acrylate, Nonane, Cellosolve acetate, alpha-Pinene, beta-Pinene, Decane, 3-Carene, D-Limonene, Undecane, Dodecane, Tridecane, Tetradecane

3 PLANT OPERATING CONDITIONS

The Dryer Stack was operating on 20 Heavy Duty, 115 tonnes/hour. See Capital Asphalt records for complete process records.

4 TEST METHODS

All sampling and analysis performed by Ektimo unless otherwise specified. Specific details of the methods are available upon request.

Parameter	Sampling Method	Analysis Method	Uncertainty*	NATA Accredited	
				Sampling	Analysis
Sampling points - Selection	NSW EPA TM-1	NA	NA	✓	NA
Flow rate, temperature and velocity	NSW EPA TM-2	NSW EPA TM-2	8%, 2%, 7%	NA	✓
Moisture content	NSW EPA TM-22	NSW EPA TM-22	8%	✓	✓
Molecular weight	NA	NSW EPA TM-23	not specified	NA	✓
Dry gas density	NA	NSW EPA TM-23	not specified	NA	✓
Carbon dioxide	NSW EPA TM-24	NSW EPA TM-24	13%	✓	✓
Nitrogen oxides	NSW EPA TM-11	NSW EPA TM-11	12%	✓	✓
Oxygen	NSW EPA TM-25	NSW EPA TM-25	13%	✓	✓
Speciated volatile organic compounds (VOCs)	NSW EPA TM-34[d]	Ektimo 344	19%	✓	✓[†]
Solid particles (total)	NSW EPA TM-15	NSW EPA TM-15	3%	✓	✓[††]

211123

* Uncertainties cited in this table are estimated using typical values and are calculated at the 95% confidence level (coverage factor = 2).

† Analysis conducted at the Ektimo Mitcham, VIC laboratory, NATA accreditation number 14601. Results were reported on 7 December 2021 in report LV-002259.

†† Gravimetric analysis conducted at the Ektimo Unanderra, NSW laboratory, NATA accreditation number 14601.

d Excludes recovery study as specified in section 8.4.3 of USEPA Test Method 18.

5 QUALITY ASSURANCE/QUALITY CONTROL INFORMATION

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6 DEFINITIONS

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~	Approximately
<	Less than
>	Greater than
≥	Greater than or equal to
APHA	American Public Health Association, Standard Methods for the Examination of Water and Waste Water
AS	Australian Standard
BSP	British standard pipe
CARB	Californian Air Resources Board
CEM/CEMS	Continuous Emission Monitoring/Continuous Emission Monitoring System
CTM	Conditional test method
D	Duct diameter or equivalent duct diameter for rectangular ducts
D_{50}	'Cut size' of a cyclone is defined as the particle diameter at which the cyclone achieves a 50% collection efficiency i.e. half of the particles are retained by the cyclone and half pass through it. The D_{50} method simplifies the capture efficiency distribution by assuming that a given cyclone stage captures all of the particles with a diameter equal to or greater than the D_{50} of that cyclone and less than the D_{50} of the preceding cyclone.
DECC	Department of Environment & Climate Change (NSW)
Disturbance	A flow obstruction or instability in the direction of the flow which may impede accurate flow determination. This includes centrifugal fans, axial fans, partially closed or closed dampers, louvres, bends, connections, junctions, direction changes or changes in pipe diameter.
DWER	Department of Water and Environmental Regulation (WA)
DEHP	Department of Environment and Heritage Protection (QLD)
EPA	Environment Protection Authority
FTIR	Fourier Transform Infra-red
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ISO	International Organisation for Standardisation
ITE	Individual threshold estimate
Lower bound	When an analyte is not present above the detection limit, the result is assumed to be equal to zero.
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NATA	National Association of Testing Authorities
NIOSH	National Institute of Occupational Safety and Health
NT	Not tested or results not required
OM	Other approved method
OU	Odour unit. One OU is that concentration of odorant(s) at standard conditions that elicits a physiological response from a panel equivalent to that elicited by one Reference Odour Mass (ROM), evaporated in one cubic metre of neutral gas at standard conditions.
PM_{10}	Atmospheric suspended particulate matter having an equivalent aerodynamic diameter of less than approximately 10 microns (µm).
$PM_{2.5}$	Atmospheric suspended particulate matter having an equivalent aerodynamic diameter of less than approximately 2.5 microns (µm).
PSA	Particle size analysis
RATA	Relative accuracy test audit
Semi-quantified VOCs	Unknown VOCs (those not matching a standard compound), are identified by matching the mass spectrum of the chromatographic peak to the NIST Standard Reference Database (version 14.0), with a match quality exceeding 70%. An estimated concentration is determined by matching the area of the peak with the nearest suitable compound in the analytical calibration standard mixture.
STP	Standard temperature and pressure. Gas volumes and concentrations are expressed on a dry basis at 0°C, at discharge oxygen concentration and an absolute pressure of 101.325 kPa, unless otherwise specified.
TM	Test method
TOC	The sum of all compounds of carbon which contain at least one carbon-to-carbon bond, plus methane and its derivatives.
USEPA	United States Environmental Protection Agency
VDI	Verein Deutscher Ingenieure (Association of German Engineers)
Velocity difference	The percentage difference between the average of initial flows and after flows.
Vic EPA	Victorian Environment Protection Authority
VOC	Volatile organic compound. A carbon-based chemical compound with a vapour pressure of at least 0.010 kPa at 25°C or having a corresponding volatility under the given conditions of use. VOCs may contain oxygen, nitrogen and other elements. VOCs do not include carbon monoxide, carbon dioxide, carbonic acid, metallic carbides and carbonate salts.
XRD	X-ray diffractometry
Upper bound	When an analyte is not present above the detection limit, the result is assumed to be equal to the detection limit.
95% confidence interval	Range of values that contains the true result with 95% certainty. This means there is a 5% risk that the true result is outside this range.

7 APPENDIX 1: SITE PHOTOS



Dryer stack

Address (Head Office)
26 Redland Drive
Mitcham VIC 3132

Postal Address
52 Cooper Road
Cockburn Central WA 6164

Office Locations
VIC NSW WA QLD

Freecall: 1300 364 005
www.ektimo.com.au
ABN 86 600 381 413

ACT Government
Chief Minister, Treasury and Economic Development

Freedom of Information Publication Coversheet

The following information is provided pursuant to section 28 of the *Freedom of Information Act 2016*.

FOI Reference: CMTEDDFOI 2023-333

Information to be published	Status
1. Access application	Published
2. Decision notice	Published
3. Documents and schedule	Published
4. Additional information identified	No
5. Fees	Waived
6. Processing time (in working days)	44
7. Decision made by Ombudsman	N/A
8. Additional information identified by Ombudsman	N/A
9. Decision made by ACAT	N/A
10. Additional information identified by ACAT	N/A

ACT Government
Chief Minister, Treasury and Economic Development

Our ref: CMTEDDFOI 2023-333

[redacted]

[redacted]

FREEDOM OF INFORMATION REQUEST

I refer to your application under section 30 of the *Freedom of Information Act 2016* (the Act), received by the Chief Minister, Treasury and Economic Development Directorate (CMTEDD) on 18 October 2023. Specifically, you sought access to the following information held by CMTEDD:

"...documents relating to the operation of an asphalt process plant, called Capital Asphalt Plant located at 5 Paspaley Street, Hume ACT 2620:"

1. *Any advice or documents submitted to the EPA and not caught by the request above that led to its final support for the DA, including any independent review of the air quality modelling referred to at page 12 of the Development Approval;*
2. *Any application for an environmental authorisation under s49(1)(a) of the Environment Protection Act 1997 (**EP Act**) to the operation of the Plant by the EPA, and documents submitted with such an application relating air emissions subsequent or connected to the Development Approval.*
3. *Documents evidencing the assessment of air quality issues as part of the application referred to in paragraph 7.*
4. *Any notice of determination granting an environmental authorisation under s49(1)(a) of the EP Act to the operation of the Plant by the EPA following receipt of an application referred to in paragraph 7 (**Authorisation**).*
5. *Any approved amendments to an environmental authorisation impacting upon or in any way altering conditions in the Authorisation addressing air quality and air emissions.*
6. *Any environmental management plan (**EMP**) accepted by the EPA prior to the commissioning of the Plant and any approved variations to the EMP.*
7. *Any reports or records of air quality / air pollution / odour complaints provided to the EPA under the Authorisation.*
8. *Correspondence, if any, between the period 25 May 2020 to date, between the owner of the Plant and the EPA in respect of compliance or non-compliance with conditions of the Authorisation relating to air emissions, air pollution or odour and changes to conditions of the Authorisation dealing with air emissions, air pollution or odour.*
9. *Copies of any prevention notices or prohibition orders issued since 25 May 2020 dealing with air emissions, air pollution or odour and documents evidencing compliance with any such notices.*

Authority

I am an Information Officer appointed by the Director-General of CMTEDD under section 18 of the Act to deal with access applications made under Part 5 of the Act.

Timeframes

In accordance with section 40 of the Act, CMTEDD is required to provide a decision within 30 working days of the access application being received. Following on from third party consultation, the due date for a decision is now **21 November 2023.**

Decision on access

Searches were completed for relevant documents and ten documents were identified that fall within the scope of your request. This includes documents and email correspondence within scope of points 1-4, 6, and 8 of your request. The business area failed to identify any information within scope of points, 5, 7 and 9 of your request.

I have included as **Attachment A** to this decision the schedule of relevant documents. This provides a description of the documents that fall within the scope of your request and the access decision for each of those documents.

I have decided to grant **partial access** to six documents relevant to your request and **refuse access** to four documents as I consider them to contain information that would, on balance, be contrary to the public interest to disclose under the test set out in section 17 of the Act.

My access decisions are detailed further in the following statement of reasons and the documents released to you are provided as **Attachments B** to this letter.

In accordance with section 54(2) of the Act a statement of reasons outlining my decisions is below.

Statement of Reasons

In reaching my access decisions, I have taken the following into account:

- the Act;
- the scope of your requested information;
- third party consultation;
- the content of the documents that fall within the scope of your request.

Exemptions claimed

My reasons for deciding not to grant access to the identified documents and components of these documents are as follows:

<u>Information that would, on balance, be contrary to the public interest to disclose under the test set out in section 17 of the Act</u>

<u>Public Interest</u>

The Act has a presumption in favour of disclosure. As a decision maker I am required to decide where, on balance, public interest lies. As part of this process, I must consider factors favouring disclosure and nondisclosure.

In *Hogan v Hinch* (2011) 243 CLR 506, [31] French CJ stated that when 'used in a statute, the term [public interest] derives its content from "the subject matter and the scope and purpose" of the enactment in which it appears'. Section 17(1) of the Act sets out the test,

to be applied to determine whether disclosure of information would be contrary to the public interest. These factors are found in subsection 17(2) and Schedule 2 of the Act.

Taking into consideration the information contained in the documents found to be within the scope of your request, I have identified that the following public interest factors are relevant to determine if release of the information contained within these documents is within the 'public interest'.

Factors favouring disclosure in the public interest:

(a) disclosure of the information could reasonably be expected to do any of the following:

> *(iii) inform the community of the government's operations, including the policies, guidelines and codes of conduct followed by the government in its dealings with members of the community.*
>
> *(viii) reveal the reason for a government decision and any background or contextual information that informed the decision.*
>
> *(xiii) contribute to the administration of justice generally, including procedural fairness.*

I have placed substantial weight on the above factors favouring disclosure. The release of this information can reasonably be expected to provide some background and context into the administration and decision-making process relating to the operation of an asphalt process plant, and the handling of complaints from the community.

I am satisfied that these factors favouring disclosure carry some weight. However, these factors are to be balanced against the factors favouring nondisclosure.

Factors favouring nondisclosure in the public interest:

(a) disclosure of the information could reasonably be expected to do any of the following:

> *(ii) prejudice the protection of an individual's right to privacy or any other right under the Human Rights Act 2004.*
>
> *(ix) prejudice the flow of information to the police or another law enforcement or regulatory agency.*
>
> *(xi) prejudice trade secrets, business affairs or research of an agency or person.*

Having reviewed the documents, I consider the protection of an individual's right to privacy is a significant factor. I place significant weight on the right to privacy of employees of Capital Asphalt, and their right to have their personal information protected. I have decided that their right to privacy in relation to their personal information has a higher weighting not to disclose, than the public interest has in disclosing this information. Whilst I note that details of the business operating the asphalt plant in question, are known to you, I am also of the view that disclosure of employee names and contact information could prejudice their individual rights to privacy under the *Human Rights Act 2004*. This reasoning has also been applied to the privacy and security of information relating to other third parties engaged in works with Capital Asphalt.

Schedule 2 section 2.2(a)(xi) allows for government information to be withheld from release if disclosure of the information could reasonably be expected to prejudice the trade secrets, business affairs or research of an agency or person. I note that the disclosure of a large quantity of the documents in scope, could potentially cause damage to the business' reputation and impact the competitive commercial activities of the business. These materials contain information about their business and internal

processes, procedures, risk management plans, and responses to compliance activities. This is a serious issue and I weight this provision substantially.

The Act provides under Schedule 2 section 2.2 (ix) that information can be withheld if disclosure could prejudice the flow of information to a regulatory entity. Businesses working with Access Canberra have the right to expect that their business affairs will not be prejudiced by participating in regulatory activities in cooperation with a government agency. Businesses provide their information to government authorities and entities in good faith and if confidentiality is not maintained businesses may be prejudiced and be less willing to participate in future exercises. While a concern, I weight this provision moderately.

Having applied the test outlined in section 17 of the Act and deciding that release of some of the information contained in the documents is not in the public interest to release, I have chosen to redact this specific information in accordance with section 50(2). Noting the pro-disclosure intent of the Act, I am satisfied that redacting only the information that I believe is not in the public interest to release will ensure that the intent of the Act is met and will provide you with access to the majority of the information held by CMTEDD within the scope of your request.

Charges

Processing charges for this request have been waived.

Disclosure Log

Under section 28 of the Act, CMTEDD maintains an online record of access applications called a disclosure log. Your original access application and my decision **will be published** on the CMTEDD disclosure log. Your personal contact details will not be published. You may view CMTEDD disclosure log at https://www.cmtedd.act.gov.au/functions/foi/disclosure-log-2023

Ombudsman Review

My decision on your access request is a reviewable decision as identified in Schedule 3 of the Act. You have the right to seek Ombudsman review of this outcome under section 73 of the Act within 20 working days from the day of my decision, or a longer period allowed by the Ombudsman.

We recommend using this form *Applying for an Ombudsman Review* to ensure you provide all of the required information. Alternatively, you may write to the Ombudsman:

The ACT Ombudsman
GPO Box 442
CANBERRA ACT 2601

Via email: actfoi@ombudsman.gov.au

ACT Civil and Administrative Tribunal (ACAT) Review

Under section 84 of the Act, if a decision is made under section 82(1) on an Ombudsman review, you may apply to the ACAT for review of the Ombudsman decision. Further information may be obtained from the ACAT:

ACT Civil and Administrative Tribunal
GPO Box 370
CANBERRA ACT 2601
Telephone: (02) 6207 1740
http://www.acat.act.gov.au/

Should you have any queries in relation to your request please contact the CMTEDD FOI team by telephone on 6207 7754 or email CMTEDDFOI@act.gov.au.

Yours sincerely,

EH

Emma Hotham
Information Officer
Chief Minister, Treasury and Economic Development Directorate
20 November 2023

ACT Government
Chief Minister, Treasury and Economic Development

FREEDOM OF INFORMATION REQUEST SCHEDULE

WHAT ARE THE PARAMETERS OF THE REQUEST	Reference NO.
[redacted]	CMTEDDFOI 2023-333

[redacted]

Ref No	Page number	Description	Date	Status	Reason for Exemption	Online Release Status
1	1-14	Air Quality Impact Assessment	30 July 2020	Exempt	Sch 2 s2.2 (a)(ix) Sch 2 s2.2 (a)(xi) Sch 2 s2.2 (a)(ii)	No
2	15-17	Application for EA	22 September 2020	Partial	Sch 2 s2.2 (a)(ii) Sch 2 s2.2 (a)(xi)	Yes
3	18-20	Internal Minute for Grant	December 2020	Partial	Sch 2 s2.2 (a)(ix) Sch 2 s2.2 (a)(xi)	Yes

4	21-30	EA Grant	December 2020	Partial	Sch 2 s2.2 (a)(ii)	Yes
5	31-32	Notice of EA Application	September 2020	Partial	Sch 2 s2.2 (a)(ii)	Yes
6	33	Notice of EA Application	December 2020	Partial	Sch 2 s2.2 (a)(ii)	Yes
7	34-68	Environmental Management Plan	February 2022	Exempt	Sch 2 s2.2 (a)(ix) Sch 2 s2.2 (a)(xi) Sch 2 s2.2 (a)(ii)	No
8	69-82	Email correspondence – various	Various	Partial	Sch 2 s2.2 (a)(ii) Sch 2 s2.2 (a)(xi)	Yes
9	83-92	Emission Testing Report	January 2023	Exempt	Sch 2 s2.2 (a)(ix) Sch 2 s2.2 (a)(xi) Sch 2 s2.2 (a)(ii)	No
10	92-102	Emission Testing Report	December 2021	Exempt	Sch 2 s2.2 (a)(ix) Sch 2 s2.2 (a)(xi) Sch 2 s2.2 (a)(ii)	No

Total No of Docs
10

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Application for an Environmental Authorisation - receipt

Your submission has been successful. Please keep a copy of this receipt for your records. This transaction will appear on your statement as ACCESS CBR INTERNET CANBERRA

Date and time	Reference code	Payment receipt number	Total amount paid
22 Sep 2020 5:23:29 PM	5R5H4PK6	2783511886	$ 1,928.60

Environmental Protection Authority
16 479 763 216

GPO Box 158
Canberra City ACT 2601

Phone: 13 22 81

Applicant details

Is the Authorisation to be held in the name of *

○ an individual(s) ◉ a business/company

Business/company name *

Southern Asphalt Services Pty Ltd

Enter an ABN or ACN: *

ABN (Australian Business Number)

71610642058

ACN (Australian Company Number)

610642058

Business or trading name (If different)

Southern Asphalt Services Pty Ltd

Contact person

Sch 2.2(a)(ii)

Address line 1 *

5 PASPALEY ST

Address line 2

Suburb *

HUME

State *

ACT

Postcode *

2620

Postal address

☐ Same as registered company address

Address line 1 *

PO BOX 208

Address line 2

Suburb * | State * | Postcode *

HALL | ACT | 2618

Company contact details

Enter at least one phone number: *

Home phone number | Work phone number | Mobile number

Sch 2.2(a)(ii) | | Sch 2.2(a)(ii)

Email address *

Sch 2.2(a)(ii)@capitalasphalt.com.au

Activity details

Activity 1

Which Environmental Authorisation are you applying for? *

42 - Production of road building materials (Activity 42)

Suburb * | Section * | Block * | Unit | Floor

HUME | 22 | 67

If you are not the lessee (owner) this application must be accompanied with written consent from the lessee. Written consent is required from the Territory if the land is unleased Territory land; or from the Commonwealth if the land is unleased National land.

Are you the owner of the block? *

Sch 2.2(a)(xi)

The activity and other information

Other information about activity

The operation of an asphalt batch plant.

Have the owners or directors of the business entity been convicted of an offence against the Act or a corresponding law in other jurisdictions in the last 10 years? *

Sch 2.2(a)(xi)

If you believe some or all of the information you supply to the Environmental Protection Authority could reveal a trade secret or adversely affect a person's lawful business activities, you may apply under Section 21 of the Act for that information not to be made available for public inspection.

Do you want to apply for information to be excluded from public inspection? *

Sch 2.2(a)(xi)

Declaration

☑ I declare that, all the matters pertaining to my application are true and correct and I agree to comply with the authorisation conditions. *

Payment amount

$	1,928.60

ACT Government
Chief Minister, Treasury and Economic Development

CMTEDD INTERNAL MINUTE

Date	14 December 2020	EA No. 1247
To	Narelle Sargent, Environment Protection Authority	
From	Rodney Dix, Assistant Director Environment Protection Sch 2.2(a)(ii) 15/12/20 David Power, Assistant Director Environmental Quality Agree DP 15/12/20	
Subject	Grant Environmental Authorisation No. 1247 to Southern Asphalt Production Pty Ltd	

Critical date and reason

1. Routine.

Recommendations

2. That you:
   - grant Environmental Authorisation No. 1247

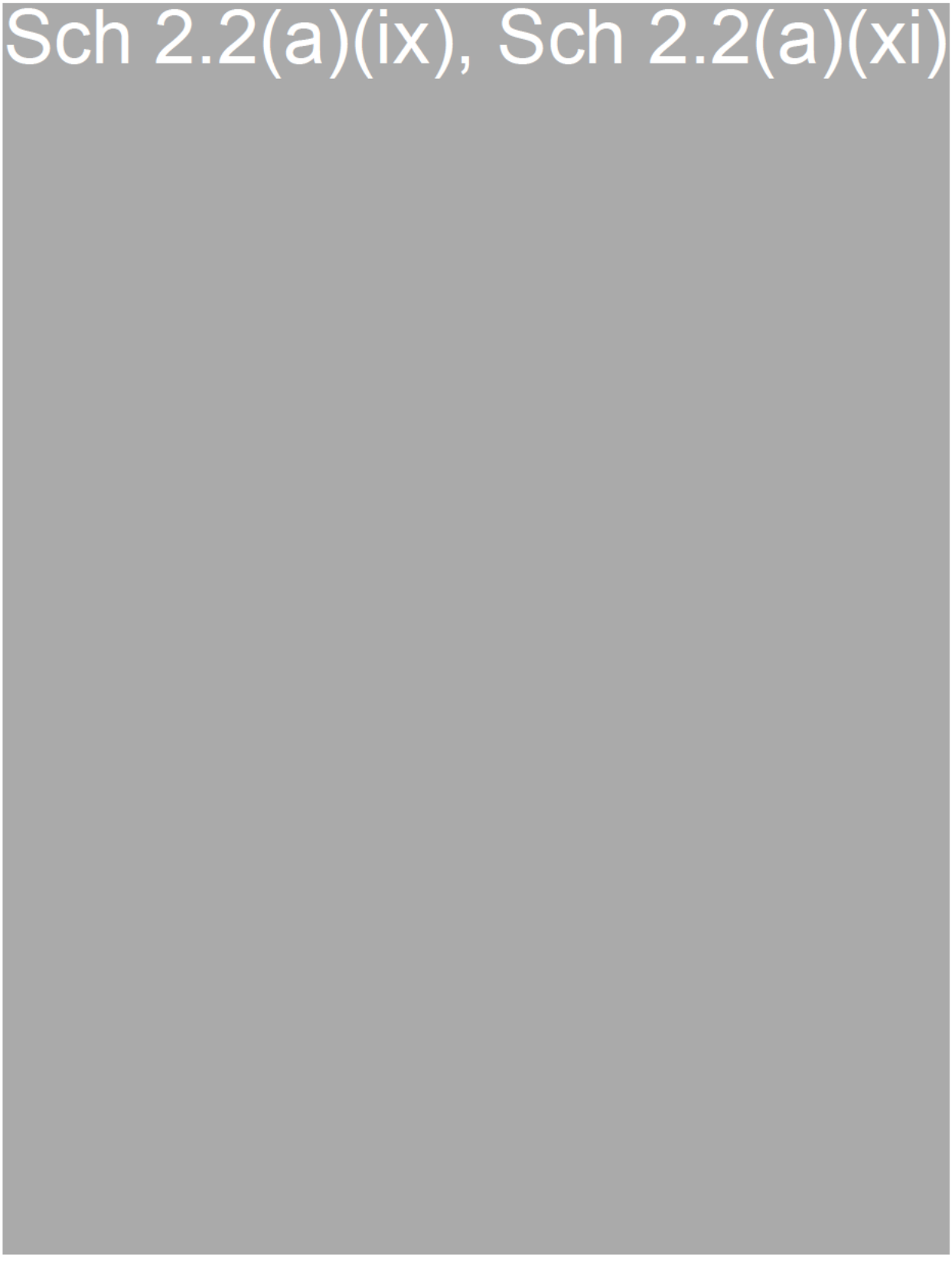
Narelle Sargent..... Sch 2.2(a)(ii) 15/ 12 /2020

AGREED/~~NOT AGREED/NOTED/PLEASE DISCUSS~~

Background

3. Southern Asphalt Production Pty Ltd has applied for an Environmental Authorisation (EA No. 1247) for the production of road building materials by the mixing of ground rock aggregate and bituminous materials at a production facility that is designed to produce more than 30,000t of road building materials per year on Block 67, Section 22, Hume.

Issues



Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Consultation

13. A public notice was placed on the 'All Public Notices' page on the ACT Government Open Government website at the time of application for EA No. 1246.

14. Applications closed on the 20 October 2020 and no comments were received by the EPA.

15. A draft Environmental Authorisation was sent to Southern Asphalt Production Pty Ltd on 4 November 2020. Finalised comments were received from Southern Asphalt Production Pty Ltd on 8 December 2020 and have been incorporated into the Environmental Authorisation.

16. The Environmental Quality Team has provided input into the draft EA.

Work Health and Safety

17. Nil.

Financial

18. The application fee has been paid.

Risks/ Sensitivities

19. Nil.

Media

20. Nil.

Sch 2.2(a)(ii)

Action Officer: Sara McIntyre
Environment Protection Officer
Phone: 02 6207 2144

ACT Government
Chief Minister, Treasury and Economic Development

Authorisation No. 1247

AUSTRALIAN CAPITAL TERRITORY

ENVIRONMENTAL AUTHORISATION UNDER THE ENVIRONMENT PROTECTION ACT 1997

The Environment Protection Authority (the Authority), pursuant to section 49(1)(a) of the *Environment Protection Act 1997* (the Act), hereby authorises:

Name:	**Southern Asphalt Production Pty Ltd**
ABN:	**64 639 561 943**
ACN:	**639 561 943**
Street:	**5 Paspaley Street**
Suburb:	**Hume**
Postcode:	**2620**

To conduct: **The production of road building materials by the mixing of ground rock aggregate and bituminous materials at a production facility that:**

(a) is, or is intended to be, located at the one site for more than 1 year; and

(b) is designed to produce more than 30,000t of road building materials per year

On:

Block:	**67**
Section:	**22**
Suburb:	**Hume**

The authorisation is valid for an unlimited period or until surrendered by **Southern Asphalt Production Pty Ltd** or cancelled or suspended by the Authority.

This is a **standard** environmental authorisation.

Sch 2.2(a)(ii)

Environment Protection Authority

Dated: 15 December 2020

SCHEDULE 1: GENERAL CONDITIONS

Definitions

Controlled Waste: as defined in the *National Environment Protection Measure (Movement of Controlled Waste between States and Territories) Measure*.

Environmental nuisance: as defined in the *Environment Protection Act 1997.*

Operation: operation includes crushing, grinding, separation of materials, loading and unloading, and delivery of materials.

Plant and Equipment: includes drainage systems, infrastructure and pollution control equipment associated with the delivery, storage and dispensing of petroleum products.

Regulated Waste: as defined in Schedule 1, Section 1.1A of the *Environment Protection Act 1997.*

Site: Block 67, Section 22, Hume

Stormwater Improvement Device: a device capable of meeting the specifications for Class 1 separators outlined in BS EN 858-1 Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control.

Stormwater System: as defined in Schedule 1, Section 1.1 of the *Environment Protection Act 1997.*

Waterway: as defined in Schedule 1, Section 1.1 of the *Environment Protection Act 1997.*

Working day: a day other than a Saturday, or Sunday, a public holiday or a day that is a holiday for public servants.

1. Compliance with Environmental Authorisation

The Authorisation holder shall:

(a) comply with any authorisation condition immediately where no time for compliance is stated; and

(b) notify the Authority in writing within 2 working days of becoming aware of:

  i. any event that causes, or is likely to cause, any authorisation condition to be exceeded; or

  ii. any monitoring data that show that a condition of the authorisation has been exceeded.

2. Activities must be carried out to protect the environment

2.1 All activities carried out on the site shall be carried out in such a manner that adverse impact on the environment is minimised.

3. Maintenance of plant and equipment

3.1 All plant and equipment installed or used in or on the site shall be maintained in a safe and good condition and in accordance with manufacturer's recommendations.

3.2 Records of all maintenance and repairs performed on pollution control equipment including air/carbon filtration systems, drainage systems, interceptors, separators and infrastructure shall be kept for a period of 2 years and made available to the Authority on request.

4. Environmental Practices

4.1 The Authorisation holder shall minimise emissions to the environment by adopting the practises set out in **Schedule 2**.

5. Compliance with Australian Standards, Industry Codes of Practice and Policies

5.1 The Authorisation holder shall comply with the provisions of the following Australian Standards, Guidelines, Industry Codes of Practice and policies provided such provisions are not in conflict with the conditions in this Authorisation, and the provisions of any policies made by the Authority.

- Environmental Guidelines for Petroleum Storage in the ACT, Environment Protection Authority, June 2019.
- AS 1940 – The Storage and Handling of Flammable and Combustible Liquids, Standards Association of Australia.
- AS 4282 - Control of the obtrusive effects of outdoor lighting.
- AS/NZS 5667.1 - Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples.
- Environment Protection Policies prepared under the *Environment Protection Act 1997*.

6. Fuel Storage

6.1 Where there are fuel storage tanks on the site the Authorisation holder shall ensure the tanks and associated pipe work are maintained in good condition. The proposed method of demonstrating the integrity of the tanks and associated pipe should be incorporated into the Authorisation holders Environment Management Plan required under section 17 of this Schedule.

6.2 Further to the provisions of clause 6.1, special requirements are applied to the abandonment of any aboveground or underground tanks and should the need arise, the Authorisation holder agrees to contact the Authority and Access Canberra Dangerous Substances Licensing on 13 22 81 or email to: dangeroussubstances@act.gov.au.

7. Reporting of environmental harm

7.1 In the event that an incident has caused, is causing or is likely to cause material or serious environmental harm, whether the harm occurs on or off the site, the Authorisation holder, their employee or agent shall report the incident to the Authority immediately after it becomes known to the Authorisation holder or to their employee or agent in accordance with clause 7.2.

7.2 The incident shall be reported to the Authority by telephoning Access Canberra on 13 22 81 during and outside business hours.

7.3 The Authorisation holder shall notify the Authority in accordance with clause 7.2 immediately after becoming aware that land is contaminated in such a way as to present, or to be likely to present –

a) a significant risk of harm to human health: or
b) a risk of material environmental harm or serious environmental harm

For the purposes of this section, the presence of phase separated hydrocarbon in groundwater constitutes material or serious environmental harm.

7.4 The Authorisation holder, their employee or agent shall also report an incident referred to in clause 7.1 and/or clause 7.3, in writing to the Authority within 2 working days of the incident occurring or becoming aware of contamination of land. The report must include:

a) incident or activity that has caused contamination or environmental harm;
b) nature of contamination and chemicals of concern;
a) area affected (on or off site);
b) aspects of the environment affected;
c) any planned assessment or remediation; and
d) any other relevant information.

The report may be provided by email to environment.protection@act.gov.au

7.5 The Authorisation holder shall keep a record of all other matters in relation to pollution from, or on, the site.

8. Record of pollution complaints

8.1 The Authorisation holder shall keep a legible record of all complaints received by its employees or its agents, in relation to pollution associated with activities on the site. This record is to be provided, on request, to the Authority and must be kept for a period of 5 years.

9. Record of activity levels

9.1 The Authorisation holder shall maintain the following records:

a) annual production quantity of bituminous road building material.

10. Records to be maintained

10.1 The following records will be maintained and kept by the Authorisation holder for a period of five years:

a) field sampling record sheets and chain-of-custody forms;
b) results of monitoring of soils and groundwater; and
c) reconciliation records for all fuels, oils and hazardous materials and wastes utilised and stored on site.

10.2 The following records will be maintained and kept by the Authorisation holder for a period of one (1) year:

a) waste disposal certificates for any regulated or controlled wastes disposed off-site.

b) waste disposal certificates for any hazardous wastes disposed off-site.

11. Responsible employees

11.1 The Authorisation holder shall authorise at least two senior employees or agents:

a) to speak on behalf of the Authorisation holder; and

b) to provide any information or document required under this Authorisation.

11.2 The Authorisation holder shall inform the Authority of the names and telephone numbers (including after-hours numbers) of those persons within five (5) working days of this Authorisation coming into force. The details may be provided by email to environment.protection@act.gov.au

11.3 The Authorisation holder shall inform the Authority of any change in the information provided under clause 11.2 within five (5) working days of the change. The details may be provided by email to environment.protection@act.gov.au

11.4 Any person nominated by the Authorisation holder to meet the requirements of clause 11.2 shall be readily contactable on the person's nominated telephone numbers.

12. Authorisation shall be kept on site

12.1 A copy of this Authorisation shall be kept at the site and shall be available for inspection by any employee or agent of the Authorisation holder working at the site.

13. Waste

13.1 No waste material is to be incinerated on site.

13.2 The Authorisation holder shall use licensed waste transporters to transport "controlled/regulated wastes" as defined in the *Environment Protection Act 1997* and the Environment Protection Regulation 2005. Information on Controlled Waste handling and transport can be obtained from the Authority on 13 22 81.

14. Hazardous Materials

14.1 The Authorisation holder shall store and manage hazardous materials in a manner that prevents adverse impacts on the environment. The handling and storage of hazardous materials should be addressed in the Environment Management Plan required under Section 17 of this Schedule.

15. Discharge of stormwater

15.1 The Authorisation holder shall ensure that appropriate infrastructure is in place and maintained in good operating conditions to ensure that storm water is not contaminated as a result of the authorised activity.

15.2 The Authorisation holder shall not discharge any contaminants, directly or in-directly to land or surface waters as a result of the authorised activity unless in accordance with Schedule 2, Table 2.

16. New designs and innovations

16.1 The provisions of this Authorisation are not intended to limit the appropriate use of alternative materials, equipment, designs, or methods because they are not included.

17. Environment Management Plan

17.1 The Authorisation holder must prepare and submit an Environment Management Plan (EMP) acceptable to the Authority prior to operations commencing on site.

17.2 The EMP should identify all activities that may have an adverse impact on the environment or the potential to cause environmental harm, and detail the mechanisms employed to prevent or minimise the impact of these activities. If required, the ways in which the conduct of the activity will be altered to minimise or reduce the adverse environmental impact of the activity is to be detailed including a timetable for implementation.

17.3 The EMP, once accepted by the Authority is to be implemented. It will also form the basis for future Authorisation conditions and environmental improvements.

17.4 A copy of the EMP must be kept on the site.

17.5 Where the mechanisms employed to prevent or minimise the adverse environmental impacts of the activity or the way in which the activity is carried out varies substantially from that detailed in the endorsed EMP, a revised EMP must be submitted.

18. Monitoring Requirements

18.1 Annual Emission Monitoring

(a) Annual air monitoring on the asphalt plant emissions during normal commercial production shall be carried out in accordance with Schedule 2, Table 1, Conditions 1 and 2.

(b) The first annual stack test must be undertaken within one (1) month of the commercial production of asphalt. Subsequent annual testing is to be undertaken within a one month period from the date of the initial monitoring.

18.2 Surface Water Monitoring

(a) Discharge to the stormwater system from the stormwater improvement device shall be monitored biannually for the parameters set out in Schedule 2, Table 2, Condition 2.

19. Air Quality Standards

19.1 Air quality from the asphalt plant shall be managed within the limits for the parameters as specified in Schedule 2, Table 1, Condition 1.

20. Reporting Requirements

20.1 A copy of the results of the annual stack emission monitoring must be forwarded to the Authority within four (4) weeks of sampling. If the results will not be available within four week the Authorisation holder is to advise the Authority in writing when the results are expected and the reason for the delay.

20.2 A copy of the surface water monitoring results must be forwarded to the Authority within 10 working days of receiving the results.

20.3 Monitoring results may be provided to the Authority by emailed to environment.protection@act.gov.au.

21. Sampling Requirements

21.1 All sample collection, analysis and associated paperwork under this Authorisation shall be conducted in accordance with Australian Standard/New Zealand Standard 5667.1:1998, "*Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples*", and with the American Public Health Association, American Water Works Association, and the Water Pollution Control Federation *Standard Methods for the Examination of Water and Wastewater,* 18th Edition, 1989, or other standards and methods agreed to by the Authority.

21.2 The sample collection shall be undertaken and documented by a suitably qualified person in accordance with clause 21.1. All required documentation shall be countersigned by a person authorised under clause 11.1 and shall be made available for inspection by the Authority. Sample analysis of parameters shall be conducted by a person employed as an analyst in any of the following organisations:

a) a Government laboratory;
b) an Australian university;
c) a laboratory where Authorisation parameters are accredited by the National Association of Testing Authorities; or
d) a laboratory approved by the Authority.

22. Provision of records

22.1 The Authorisation holder must provide any records required to be maintained under this Authorisation to the Authority upon request.

SCHEDULE 2

TABLE 1: AIR POLLUTION

<table>
<tr><th colspan="2">Requirement</th></tr>
<tr><td>1</td><td>The operations at the site shall be managed to ensure that emissions from the asphalt plant do not exceed the following standards:

<table><tr><th>Parameter</th><th>Criteria</th></tr><tr><td>Solid particles (total)</td><td>50 mg/Nm^3</td></tr><tr><td>Nitrogen dioxide</td><td>350 mg/Nm^3</td></tr><tr><td>Volatile organic compounds (VOCs), as n-propane</td><td>40 mg/Nm^3</td></tr></table></td></tr>
<tr><td>2</td><td>For the purpose of assessment, monitoring shall be carried out in accordance with the New South Wales Protection of the Environment Operations (Clean Air) Regulation 2010, Schedule 5.

The atmospheric emission points that require monitoring are:
Point 1 – Dryer Stack (post-baghouse)</td></tr>
<tr><td>3</td><td>The plant load out area must have suction fans installed and operating to capture emissions during loading operations. Vehicles are not to leave the load out area until they are tarped.</td></tr>
<tr><td>4</td><td>Vehicles carrying loads containing material which may become wind blown or spilt must be covered.</td></tr>
<tr><td>5</td><td>Dust emissions from sealed roads, disturbed areas, stockpiles and machinery must be controlled to prevent environmental harm.</td></tr>
<tr><td>6</td><td>Material storage bins/bunkers are to be confined on three sides, excluding Reclaimed Asphalt Production (RAP).</td></tr>
<tr><td>7</td><td>Bitumen storage tank(s) are to be vented through a charcoal vapour trap.</td></tr>
<tr><td>8</td><td>Venting vapours must not impact adjoining premises.</td></tr>
<tr><td>9</td><td>Take practical measures to ensure that the vents of petroleum (diesel) storage tank(s) are not blocked.</td></tr>
</table>

TABLE 2: WATER POLLUTION

<table>
<tr><th colspan="2">Requirement</th></tr>
<tr><td>1</td><td>Water catchment on the site must be managed to ensure that all run off from the asphalt plant and other waste generating activities is treated by a stormwater improvement device prior to leaving the site.</td></tr>
<tr><td>2</td><td>Discharges from the stormwater improvement device to the stormwater system are only permitted when the water quality meets the standards detailed below for pH, oil and grease and suspended solids or turbidity.

Water Quality Standards

<table><tr><th>Parameter</th><th>Criteria</th></tr><tr><td>pH</td><td>6 – 9</td></tr><tr><td>Suspended solids</td><td><25mg/L</td></tr><tr><td>Turbidity</td><td><30 NTU</td></tr><tr><td>Oil and Grease</td><td><10mg/L</td></tr></table></td></tr>
<tr><td>3</td><td>The stormwater improvement device must be maintained in accordance with the manufacturer’s specifications.</td></tr>
<tr><td>4</td><td>Underground petroleum storage tanks are not permitted.</td></tr>
<tr><td>5</td><td>Aboveground petroleum storage tanks must be installed in accordance with the Environmental Guidelines for Petroleum Storage in the ACT, Environment Protection Authority, June 2019.</td></tr>
<tr><td>6</td><td>Appropriate spill kits must be kept on site and be readily accessible.</td></tr>
</table>

TABLE 3: HAZARDOUS MATERIALS/WASTE

Requirement	
1	The storage of chemicals, fuels, oils, solvents, emulsions and additives must be contained within a bunded area at least 110% of the total capacity of the largest vessel.
2	Spills within the bunded area must be recovered, removed and disposed to a suitable licensed facility.

TABLE 5: NOISE POLLUTION

Requirement	
1	Operations at the site shall be managed so that noise levels do not exceed the following levels at any point on the boundary of the site: Mon – Saturday 7am to 10pm - 65dB(A) 10pm to 7am - 55dB(A) Sunday and Public Holidays 8am to 10pm - 65dB(A) 10pm to 8am - 55dB(A) The noise standard specified is in accordance with the Environment Protection Regulation 2005 (for specific noise zones refer to www.legislation.act.gov.au).

TABLE 6: LIGHT POLLUTION

Requirement	
1	The operations at the site shall be managed to ensure the siting and aiming of outdoor lighting from the activities complies with AS 4282 - Control of the obtrusive effects of outdoor lighting.

TABLE 7: ODOUR IMPACTS

Requirement	
1	The Authorisation holder shall take practicable measures to minimise offensive odour impacts operations beyond the boundaries of the site.

Australian Capital Territory

Environment Protection (Environmental Authorisation Application) Notice 2020 (No 12)

Register No E48-20

Notifiable instrument NI2020–629

made under the

***Environment Protection Act 1997*, s 48(1) (Consultation on application for Environmental Authorisation)**

---

1 Name of instrument

This instrument is the *Environment Protection (Environmental Authorisation Application) Notice 2020 (No 12).*

2 Commencement

This instrument commences on the day after notification.

3 Notification

The Environment Protection Authority has received an application for an Environmental Authorisation from the following business:

Business	Brief Description of Activity and Location
Southern Asphalt Services Pty Ltd	A facility designed for the production of bitumous road building materials – Block 67 Section 22 Hume ACT.

A copy of the Application is available for public inspection on the Access Canberra website at
http://www.environment.act.gov.au/environment/epa_search

Any person who wishes to make a written submission to the Environment Protection Authority concerning the above application may do so by no later than 21 October 2020.

Submissions should be addressed to: Environment Protection Authority environment.protection@act.gov.au.

Sch 2.2(a)(ii)

Narelle Sargent
Environment Protection Authority
24 September 2020

Australian Capital Territory

Environment Protection (Environmental Authorisation Grant) Notice 2020 (No 22)

Register No E70-20

Notifiable instrument NI2020 – 835

made under the

***Environment Protection Act 1997*, s 50 (Notification of grant) and s 19 (Inspection of documents)**

---

1 Name of instrument

This instrument is the *Environment Protection (Environmental Authorisation Grant) Notice 2020 (No 22)*.

2 Commencement

This instrument commences on the day after notification.

3 Grant

The Environment Protection Authority has granted an Environmental Authorisation to the following business.

Business	Authorisation Number	Brief Description of Activity and Location
Southern Asphalt Production Pty Ltd	1247	A facility designed for the production of bituminous road building materials – Block 67 Section 22 Hume ACT.

This instrument expires on **21 February 2021.**

4 Inspection of Documents

An electronic copy of the Authorisation is available for public inspection on the Access Canberra website at http://www.environment.act.gov.au/environment/epa_search.

Sch 2.2(a)(ii)

Narelle Sargent
Environment Protection Authority
22 December 2020

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

From: "McIntyre, Sara"
Sent: 15/07/2021 2:22 PM
To: Sch 2.2(a)(ii)
Subject: FW: EA: 1247 - Section 22, Block 67 - Initial Testing

OFFICIAL

Hi Sch 2.2(a)(ii)

I hope you are well.

Happy to grant an extension to 20 August due to current travel restrictions. We can then look at whether another extension is needed closer to this date if restrictions are still in place.

Kind regards,

Sara McIntyre | Environment Protection Officer | Office of the Environment Protection Authority
Phone: 02 6207 2144 | Mobile: Sch 2.2(a)(ii) email: sara.mcintyre@act.gov.au
Construction, Utilities and Environment Protection | Access Canberra | ACT Government
480 Northbourne Avenue, Dickson | GPO BOX 158 | CANBERRA ACT 2601 | www.accesscanberra.act.gov.au

Please note that my work hours are Monday to Friday, 9.30 am to 2.30 pm.

From: Sch 2.2(a)(ii)
Sent: Thursday, 15 July 2021 1:14 PM
To: Environment Protection <Environment.Protection@act.gov.au>
Subject: EA: 1247 - Section 22, Block 67 - Initial Testing

CAUTION: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi EPA,
I have just been advised that our environmental consultants cannot enter the ACT until early August to conduct the initial site testing of our asphalt production facility.

Our EA requires it by the end of July.

Can you please confirm a relaxation for the initial testing due to the border restrictions due to COVID?

Regards

Sch 2.2(a)(ii)

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058
Southern Asphalt Productions Pty Ltd ABN 64 639 561 943

From: Sch 2.2(a)(ii)
Sent: 12/11/2021 11:16 AM
To: "McIntyre, Sara" <Sara.McIntyre@act.gov.au>
Subject: Fwd: Oncoming sampling

CAUTION: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

FYI
Regards

Sch 2.2(a)(ii)

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058
Southern Asphalt Productions Pty Ltd ABN 64 639 561 943

---------- Forwarded message ---------
From: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Date: Thu, Nov 11, 2021 at 2:46 PM
Subject: RE: Oncoming sampling
To:
Cc: Sch 2.2(a)(ii), Sch 2.2(a)(xi)

Hi Sch 2.2(a)(ii),

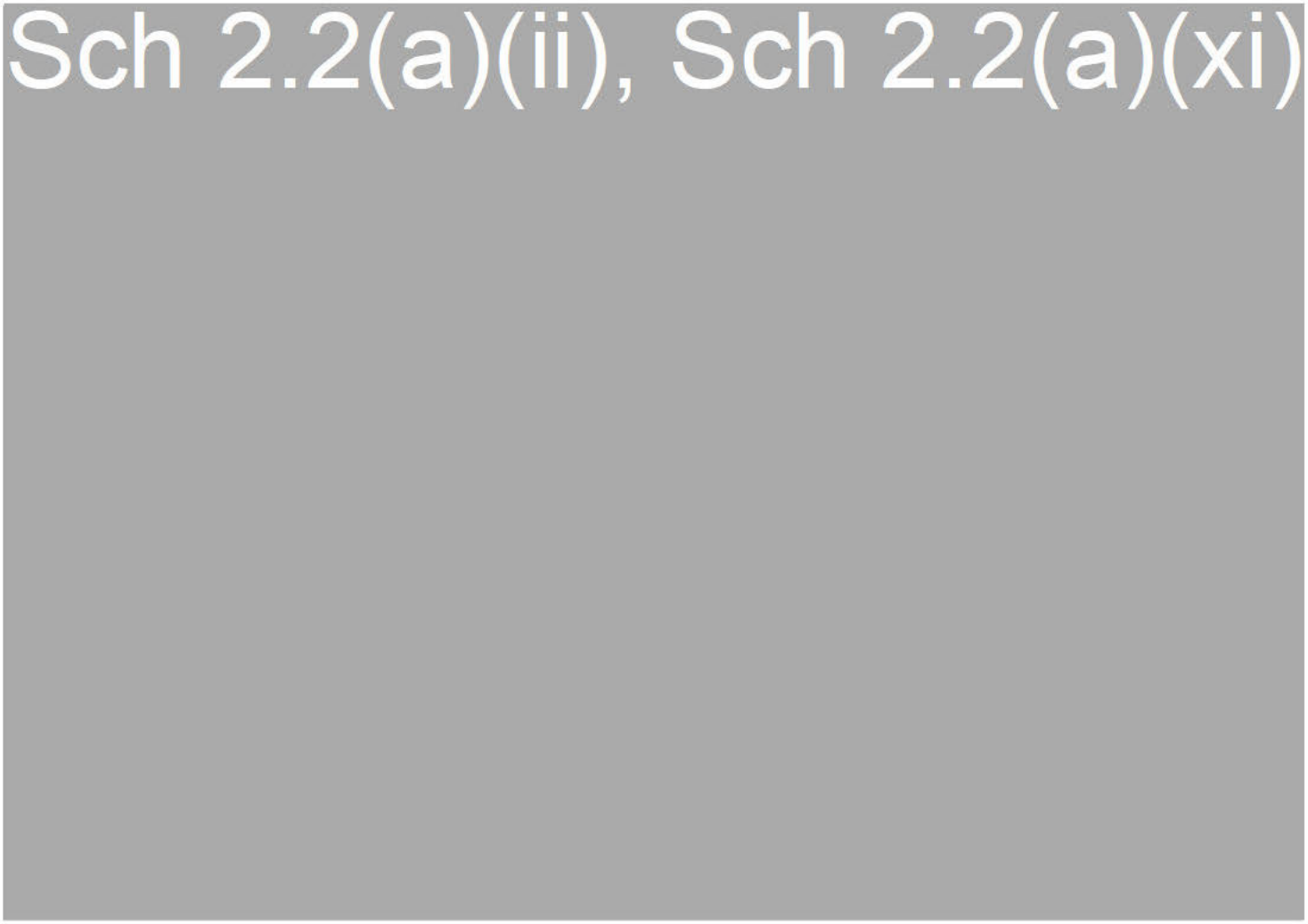
I hope this email finds you well.

We are organising testing for the 23rd of November. Could you please confirm the date suits you?

I am coming to Canberra next week, I was wondering if we could meet on site to have a quick chat regarding sampling logistics.

Thank you.

Kind regards,



From: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Sent: Wednesday, 10 November 2021 12:54 PM
To: Sch 2.2(a)(ii)
Cc: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Subject: RE: Oncoming sampling

Hi Sch 2.2(a)(ii),

Nice to hear from you.

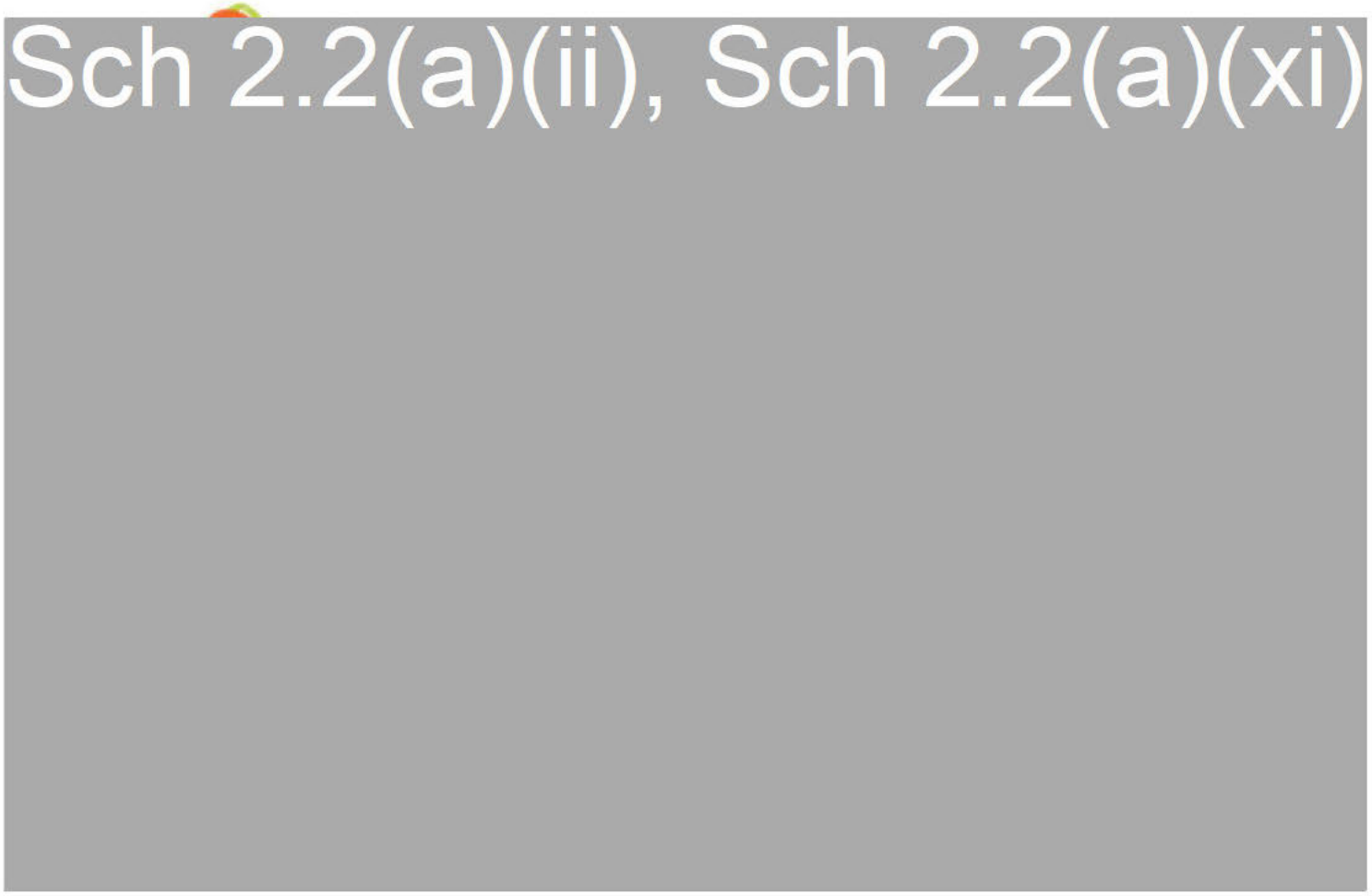
I am working on organising the testing at the moment.

We are aiming for late November or beginning of December to complete the monitoring.

I will keep you informed depending of staff availability.

If you have further questions please do not hesitate to contact me.

Kind regards,



From: Sch 2.2(a)(ii)
Sent: Tuesday, 9 November 2021 3:02 PM
To: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Cc: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Subject: Re: Oncoming sampling

Hi Team,

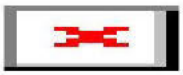
How are we looking at getting this testing completed?

There are currently no restrictions with vaccinated workers entering the ACT.

It would be great to get this completed this month.

Thanks.

Regards

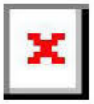


Sch 2.2(a)(ii)

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058
Southern Asphalt Productions Pty Ltd ABN 64 639 561 943




On Tue, Sep 7, 2021 at 9:55 AM Sch 2.2(a)(ii), Sch 2.2(a)(xi) wrote:

Hi Sch 2.2(a)(ii),

I hope this email finds you well.

Just following with the emission testing and current COVID situation.

At this stage we will not be able to perform the emission testing this week due to COVID restrictions in both NSW and ACT.

As soon as we can process travelling permits we will proceed immediately to organise testing.

If you have further questions please do not hesitate to contact me.

Thank you.

Kind regards,

Sch 2.2(a)(ii), Sch 2.2(a)(xi)

From: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Sent: Thursday, 5 August 2021 1:05 PM
To: Sch 2.2(a)(ii)
Cc: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Subject: RE: Oncoming sampling

Hi Sch 2.2(a)(ii),

I hope you are doing well.

As previously discussed we won't be able to organise testing this month given that the lockdown in NSW has been extended until the last week of August.

We won't be able to get a permit to perform the emission testing this month, and even if we do it will require 14 days of quarantine for the testing personnel.

As soon as we get a clearer idea of travelling allowances and permits we will proceed immediately to organise testing.

I have tentatively booked testing for the first week of September, providing that there are safe mean to proceed with testing.

If you have further questions please do not hesitate to contact me.

Thank you for understanding.

Kind regards,

[redacted]

From: [redacted]
Sent: Tuesday, 27 July 2021 3:30 PM
To: [redacted]
Cc: [redacted]
Subject: FW: Oncoming sampling

Hi Sch 2.2(a)(ii),

I hope this email finds you well.

Unfortunately sourcing staff from other cities/territories would be hard due to the current travel restrictions and quarantine orders. Additionally staff availability is strictly limited.

At the moment we can only wait for further advise from the public health authorities.

We are still aiming to proceed with the monitoring for Tuesday the 10th, COVID restrictions permitted.

If you have further concerns please do not hesitate to contact me.

Kind regards,

Sch 2.2(a)(ii), Sch 2.2(a)(xi)

From: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Sent: Monday, 26 July 2021 12:37 PM
To: Sch 2.2(a)(ii)
Subject: RE: Oncoming sampling

Hi Sch 2.2(a)(ii),

Thank you for your email.

I just wanted to know if the date was ok. I am trying to think ahead further/ease actions in terms of travelling restrictions from the different states, in case they have to apply for permits.

I will firstly investigate if the job can be done by staff from other states that have not restrictions for travelling into the ACT.

Unfortunately at the moment the only available stuff comes from Wollongong and Sydney.

I will keep you update it.

Kind regards,

Sch 2.2(a)(ii), Sch 2.2(a)(xi)

From: Sch 2.2(a)(ii)
Sent: Monday, 26 July 2021 12:18 PM
To: Sch 2.2(a)(ii), Sch 2.2(a)(xi)
Subject: Re: Oncoming sampling

Hi Sch 2.2(a)(ii),

I have approval until the 20th of August. Do you think you can have the reporting completed by then?

Sch 2.2(a)(ii), Sch 2.2(a)(xi)

On Mon, Jul 26, 2021 at 12:07 PM [redacted] Sch 2.2(a)(ii), Sch 2.2(a)(xi) [redacted] > wrote:

Hi Sch 2.2(a)(ii) [redacted],

I hope this email finds you well.

I was wondering if you have had any updates from the EPA.

I have schedule sampling for the Tuesday 10th of August, COVID permitted.

Kind regards,

Sch 2.2(a)(ii), Sch 2.2(a)(xi)

[redacted]

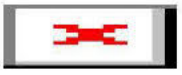
From: [redacted]
Sent: Thursday, 15 July 2021 1:11 PM
To: [redacted]
Subject: Re: Oncoming sampling

Hi [redacted],

I will touch base with the EPA to make sure this is acceptable.

See attached photo of the ports on the stack. There is two and they appear to be about 3 inches each.

Regards



[redacted]

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058

Southern Asphalt Productions Pty Ltd ABN 64 639 561 943







On Tue, Jul 13, 2021 at 7:27 PM [redacted] Sch 2.2(a)(ii), Sch 2.2(a)(xi) [redacted] wrote:

Hi [redacted],

I hope this email finds you well.

I tried to contact you today but I was lucky.

Unfortunately, due to COVID restrictions and stuff availability, the next available time to perform the stack testing is in the week 9th to 13th of August depending on Covid restrictions. Please advise what day suits you better on that week.

Thank you for facilitating the EWP to perform this job.

Can you please confirm if the stack has 1 port or 2 ports for sampling?

If you have any further questions please do not hesitate to contact me.

Kind regards,

[redacted]

Sch 2.2(a)(ii), Sch 2.2(a)(xi)

From: "Dorji, Tshering"
Sent: 07/08/2023 2:24 PM
To: Sch 2.2(a)(ii)
Subject: RE: Stack emission and stormwater sampling tests- Southern Asphalt Production Pty Ltd (EA 1247)

OFFICIAL

Hi Sch 2.2(a)(ii),

Thank you for the stack emission test reports for 2021 and 2022.

Can you please ensure that a copy of the annual stack emission result is submitted to the EPA within 4 weeks from the date of sampling and a copy of the surface water monitoring result is submitted within 10 working days after receiving the result in future as per condition 20.1 and 20.2 respectively?

Look forward to receiving the water test report.

Regards,

Tshering Dorji

From: Sch 2.2(a)(ii)
Sent: Monday, 7 August 2023 1:56 PM
To: Dorji, Tshering <Tshering.Dorji@act.gov.au>
Subject: Re: Stack emission and stormwater sampling tests- Southern Asphalt Production Pty Ltd (EA 1247)

Caution: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe. Learn why this is important

Hi Tshering, Sorry for the late reply.

Attached is the results from the stack testing as per Cl. 18.1, 19.1 and 20.1.

I will have the water test reports to you by the end of next week.

Thank you.

Regards

Sch 2.2(a)(ii)

w. www.capitalasphalt.com.au

Southern Asphalt Services Pty Ltd ABN 71 610 642 058
Southern Asphalt Productions Pty Ltd ABN 64 639 561 943

On Mon, Jul 24, 2023 at 4:18 PM Dorji, Tshering <Tshering.Dorji@act.gov.au> wrote:

OFFICIAL

Hi Sch 2.2(a)(ii),

As discussed over the phone, can you please email me the emission tests and stormwater sampling results as required by conditions 18, 19, 20, Table 1 item 1 and Table 2 item 2 of the Environmental Authorisation- 1247 ?

Kind regards

Tshering Dorji | Environment Protection Officer
Phone: +61 02-62072144| Sch 2.2(a)(ii) | Email: tshering.dorji@act.gov.au
Environment Protection | Access Canberra | ACT Government
Dickson Office Block |480 Northbourne Avenue Dickson | GPO Box 158 Canberra ACT 2601 |
www.accesscanberra.act.gov.au

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Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi), Sch 2.2(a)(ii)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)

Sch 2.2(a)(ix), Sch 2.2(a)(xi)