



Attachment 6A:

Emissions and Discharges Information (Expanded Table 9.1)

R & L Bitumen Services Pty Ltd

a division of Spinifex Crushing and Screening Services Pty Ltd
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Prepared for:

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Attachment 6A: Emissions and Discharges Information (Expanded Table 9.1)**Applicant:** Spinifex Crushing and Screening Services Pty Ltd**Premises:** Rocky Crossing Asphalt Plant (Category 35)

Note: There are no continuous or direct discharges of the substances listed in Part 3 of the fee calculation that would result in a positive fee component. All potential emissions are intermittent, highly controlled, and either treated on-site or minimised through design and management practices. Stack emission testing will be undertaken once within four weeks of commencing operations to verify performance

Source of emission or discharge	Emission or discharge type	Volume / Frequency / Concentration	Proposed controls	Location (on Attachment 2)	Reference Documents
Baghouse stack (Point A1)	Particulates, Oxides of nitrogen (NOx), Carbon monoxide (CO), Volatile organic compounds (VOCs)	Intermittent during operation (design: <20 mg/m ³ particulates)	Baghouse with ≥224 filter bags (240 m ² area), automatic reverse-pulse cleaning, broken bag detection, temperature alarms (>180°C / <80°C, cut-off at 230°C), 12 m stack	Labelled "Chimney" on Attachment 2	ECR Section 3 & 6, Works Approval Decision Report W6384/2020/1, Ektimo Report R009424
Asphalt plant operations (storage bins, loading, conveying)	Fugitive dust	Continuous during operations but minimised	Materials delivered damp and tarped, sprinkler system on 5 storage bins, watered hardstand (Nov–Apr), covered load-out conveyor, trucks tarped on exit	Material bins & Asphalt Plant area	Application Form Table 9.1, ECR
Mobile asphalt plant and associated equipment	Noise	Continuous during operations (plant ≤102 dB(A) at 1 m)	4 m high noise mitigation bund (130 m long), boiler in east-facing clad shed, restricted hours 7:00 am – 5:00 pm Mon–Sat	Labelled "4 m high bund" on Attachment 2	Herring Storer Acoustics 2017, ECR
Bitumen tanker and mixing process	Odour (VOCs)	Intermittent during bitumen heating and mixing	Low-sulphur Class 320 bitumen, condenser on heated 40,000 L tanker with vapours routed to baghouse, temperature controls (immediate reduction if blue smoke detected)	Labelled "Asphalt heating tank" on Attachment 2	Ektimo Odour Assessment R009424, ECR
Mobile asphalt plant stormwater system	Contaminated stormwater (hydrocarbons & sediments)	Up to 20 m ³ per rainfall event – no off-site discharge	20 m ³ sump with spongolite rock cages (replaced annually), reed bed treatment, retention basin (infiltrates on-site). Clean stormwater diverted away	Labelled "Sump and reed bed" & "Stormwater retention" on Attachment 2	Application Form Table 9.1, ECR