



Application for licence

Division 3, Part V *Environmental Protection Act 1986*

Licence number	L9233/2020/1
Applicant	Downer EDI Works Pty Ltd
ACN	008 709 608
File number	DER2020/000018
Premises	Emoleum Gosnells Asphalt Plant 89 Cockram Road MARTIN WA 6110 Being Part of Lot 3 on Plan 14769 Certificate of Title Volume 1683 Folio 198; and Part Lot 5003 on Plan 28867 Certificate of Title Volume 2521 Folio 509 As defined by the coordinates in Schedule 1 of the Licence
Date of report	4 March 2020
Status of Report	Final

1. Definitions

Key terms relevant to this decision report and their associated definitions are listed in Table 1.

Table 1: Definitions

Term	Definition
Applicant	Downer EDI Works Pty Ltd
Category / categories	Categories of prescribed premises as set out in Schedule 1 of the EP Regulations.
Decision Report	refers to this document.
Delegated Officer	An officer delegated under section 20 of the EP Act.
Department	The department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
Emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Licence Holder	Downer EDI Works Pty Ltd
Occupier	has the same meaning given to that term under the EP Act.
Prescribed premises	This has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Decision Report applies, as specified at the front of this Decision Report
Previous licence	Refers to L5882/1976/13 which ceased to have effect on 19 December 2019
RAP	Reclaimed Asphalt Pavement
Risk Event	As described in <i>Guidance Statement: Risk Assessment</i>

2. Purpose and scope of assessment

Downer EDI Works Pty Ltd (applicant) submitted an application for a new licence on 7 January 2020 for the Emoleum Gosnells Asphalt Plant (premises), located at 89 Cockram Road, Martin. The application sought a new licence for the premises due to the previous licence (L5882/1976/13), for the premises, ceasing to have effect accordance with Section 5DA(5) of the EP Regulations due to the annual fee not being paid by the required date.

Table 2 lists the prescribed premises categories that have been applied for.

Table 2: Classification of premises and previously assessed design capacity

Classification of Premises	Description	Approved Premises production or design capacity or throughput
Category 35:	Ashphalt manufacturing: premises on which hot or cold mix asphalt is produced using crushed or ground rock aggregates mixed with bituminous or asphaltic materials for use at places or premises other than those premises.	150,000 tonnes per annual period
Category 61A	Solid waste facility: premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated, or discharged onto land.	25,000 tonnes per annual period

The applicant also requested stack testing be reduced from bi-annually to annually to be consistent with their other asphalt plant licenses in Western Australia.

DWER has not re-assessed the acceptability or impacts of emissions and discharges from the premises or re-visited any existing emission control levels as all regulatory controls for the operational phase of the premises were determined for previous licence L5882/1976/13. No changes to the risk profile for the premises have been identified through review of previous licence L5882/1976/13.

In issuing the licence, the CEO has:

- initiated a change to the style and format of the licence;
- deleted the AACR form set out in schedule 1 of the previous licence and noted in the definition for AACR that templates can be obtained from the Department’s website;
- revised licence condition numbers, removed redundant conditions and realigned condition numbers for numerical consistency; and
- corrected clerical mistakes and unintentional errors.

The guidance statements that have informed the assessment and decision outlined in this Decision Report are listed in Appendix 1.

2.1 Application details

Table 2 lists the documents submitted during the assessment process.

Table 3: Documents and information submitted during the assessment process

Document/information description	Availability
New licence application with supporting information received 7 January 2020	DWER records (A1856631)
Email with request to change stack monitoring and copy of lease received 20 February 2020	DWER records (A1869821)

3. Overview of the Premises

3.1 Location and siting

The Premises is located approximately 19 km south east of the Perth Central Business District at 89 Cockram Road, Martin, and adjacent to the Holcim Gosnells Hardrock Quarry.

The premises is located within an environmentally sensitive area and the nearest sensitive residential receptor (Gosnells residential area) is approximately 450m north west of the premises. The nearest river (Canning) is approximately 100m north of the premises.

3.2 Operational aspects

The main activity undertaken at the premises is the manufacture of hot mix and cold mix asphalt.

The hot mix process involves heating aggregate and mixing it with a combination of liquid bitumen and oxides to create asphalt usually at temperatures of around 170°C. The production of cold mix asphalt involves mixing dry aggregate with a combination of liquid bitumen and diesel at temperatures of around 120°C.

The premises consists of an asphalt processing plant, eight cold feed bins which contain the different size aggregate and a bin for processed Reclaimed Asphalt Pavement (RAP). Aggregate from the feed bins are conveyed in specific proportion into a natural gas fired rotary drum dryer before combining with hot bitumen in a rotary mixer.

Aggregate used in the asphalt manufacturing process is obtained from the adjacent Holcim Gosnells Hardrock Quarry and stored in stockpiles on the premises. Bitumen is delivered by road tankers and transferred into one of five storage tanks adjacent to the asphalt plant. RAP is delivered to the premises and stockpiled prior to being processed by a crushing and screening plant.

Key emissions from the premises are particulate emissions from the rotary drum dryer, which are emitted to atmosphere via a baghouse designed to minimise particulates emissions.

4. Decision

The Delegated Officer has reviewed reported particulate matter emissions for the Emoleum Gosnells Asphalt Plant from 2016 to 2018 (maximum particulate emission of 36mg/m³) and determined that results have been well below the licence limit of 50 mg/m³. The Delegated Officer has therefore determined that as particulate matter monitoring indicates emission are well below the licence limit the frequency of point source monitoring will be reduced from six monthly to annually for the premises. The revised monitoring frequency is also consistent with other asphalt plant licences in WA.

The Delegated Officer has determined that there has been no material changes made to the infrastructure within the premises; activities undertaken at the premises, or emissions and discharges from the premises. The risk profile of the premises has therefore not changed.

The Delegated Officer has therefore transferred the regulatory controls, conditions, record keeping and reporting requirements from previous licence L5882/1976/13 to the new licence L9233/2020/1 for the premises.

The Delegated Officer has granted the licence for a period of 13 years subject to the current lease expiry date (31 June 2033) in accordance DWER's Guidance Statement: Licence Duration.

The Delegated Officer notes that the Department may review the appropriateness and adequacy of controls at any time and that, following a review, the Department may initiate amendments to the Licence under the EP Act.

5. Consultation

Method	Comments received
Application advertised on 21/01/2020	None received
Applicant referred draft documents (27/02/2020)	None received

6. Conclusion

Based on the assessment in this decision report, the Delegated Officer has determined that licence L9233/2020/1 will be granted, with no reassessment of regulatory controls and conditions from previous licence L5882/1976/13.

Caron Goodbourn
Manager, Process Industries
Regulatory Services
an officer delegated under section 20 of the *Environmental Protection Act 1986 (WA)*

Appendix 1: Key documents

Document title	Availability
New licence application with supporting information received 7 January 2020	DWER records (A1856631)
Previous licence L5882/1976/13	DWER records (A1102550)
Email to DWER on 20 February 2020 with request to change stack monitoring from bi-annually to annually and copy of the lease agreement.	DWER records (A1869821)
DWER, Industry <i>Regulation Guide to Licensing</i> , June 2019. Department of Water and Environment Regulation, Perth	accessed at www.dwer.wa.gov.au
DER, August 2016. <i>Licence Duration</i> . Department of Environment Regulation, Perth.	
DWER, July 2015. <i>Guidance Statement: Regulatory principles</i> . Department of Environment Regulation, Perth.	
DER, October 2015. <i>Guidance Statement: Setting conditions</i> . Department of Environment Regulation, Perth.	
DWER, June 2019. <i>Guideline: Decision Making</i> . Department of Water and Environmental Regulation, Perth.	