

A decorative background pattern of small green dots arranged in a grid, covering most of the page. A large black rectangular box is overlaid on the left side of the page, containing the title and address information.

Lighting Impact Assessment

**DIANA PET FOODS, 91
GARDINER STREET,
RUTHERFORD**

Client:
Diana SPF Diana Australia Pty Ltd

Revision:
B

Date:
10/05/2022

Reference:
Project No. 211028

REPORT INFORMATION

Project	Diana Pet Foods, 91 Gardiner Street, Rutherford
Title	Lighting Impact Assessment
Client	Diana SPF Diana Australia Pty Ltd
Revision	B
Revision Date	10/05/2022
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Revision	Date	Issue Name	Author	Authorised
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1 Introduction

LCI has prepared the Lighting Impact Assessment Report to address the impact of light generated from the proposed development on nearby properties to meet local Council Requirements and in support of the SEARs.

1.1 Site Location

The site is located at 91 Gardiner Street, Rutherford within close proximity of the Hunter Line railway which is found to the south. Existing industrial developments are located to the North-East of the site and include “Jurox” at 85 Gardiner St and “Industrial Maintenance & Fabrications PTY LTD” at 73 Gardiner St.

Figure 1 below highlights the site location, as well as adjacent industrial developments to the North-East.

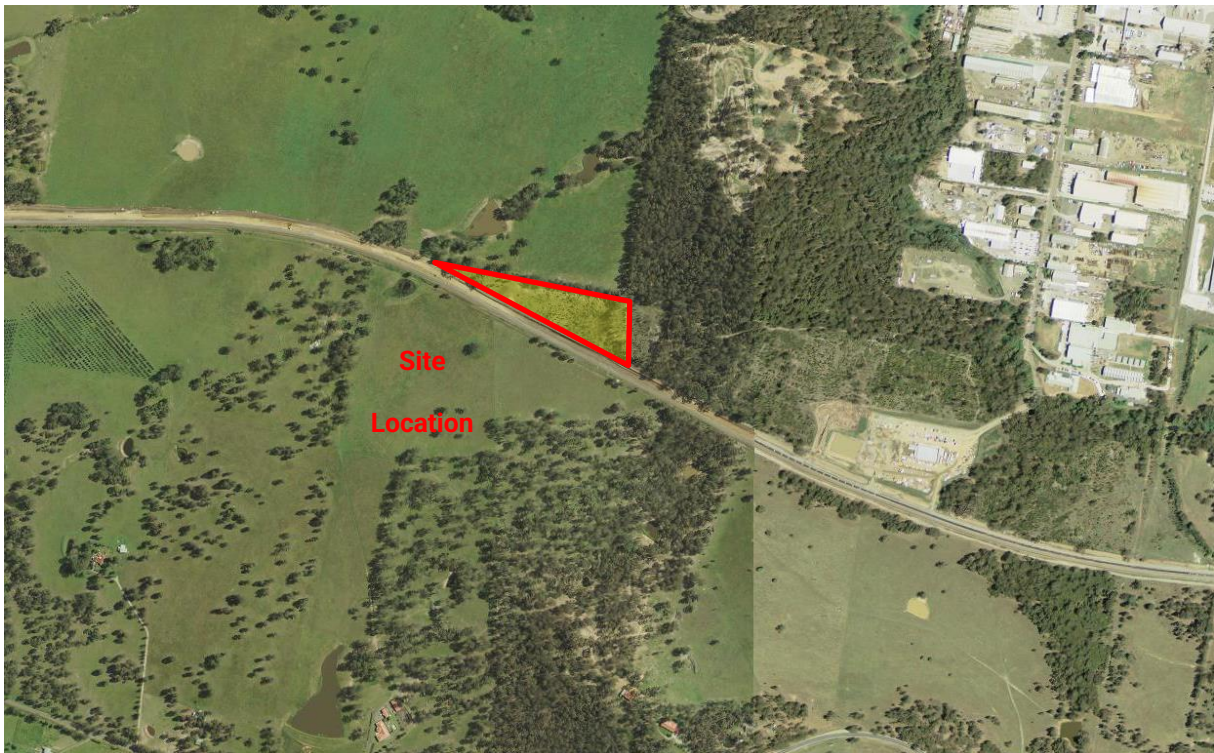


Figure 1 Site Location - 91 Gardiner Street, Rutherford

1.2 Proposed Development

The proposed facility is to be developed at 91 Gardiner Street, Rutherford, known as Lot 2, DP1197299.

Primary light generating sources from the site are expected to include truck movements, car movements, external lighting for loading dock operation and security / safety lighting. The proposed facility will have Lighting installed as required. In addition, illuminated signage will be provided and installed as required to the proposed new signage and at the main entrance

The proposed layouts of the development are shown in the below figures.

Figure 1 Proposed Site Plan Drawing 1



2 Nearest Properties

The site location is classified as 'IN1 - General Industrial' according to the NSW Planning ePlanning Spatial Viewer Zoning Maps. Residential properties located to the south of the site and identified in Table 2-1 are zoned as 'RU2: Rural Landscape'. A total of 16 locations have also been highlighted in Figure 3. Note however that as there are currently residential properties at these addresses, the properties have been assessed as residential properties.

The industrial lots situated North-East of the site location are not considered as the lighting impact from the site at these locations will be well within compliance criteria.

Figure 3 Location of Considered Properties



Table 2-1 *Nearest Potentially Affected Receivers*

Receptor ID	Address	Lot and DP	Type of Receiver
R1	643 NEW ENGLAND HIGHWAY, LOCHINVAR 2321	Lot 6 DP846960	Residential
R2	669 NEW ENGLAND HIGHWAY, LOCHINVAR 2321	Lot 5 DP846960	Residential
R3	687 NEW ENGLAND HIGHWAY, LOCHINVAR 2321	Lot 6871 DP1121957	Residential
R4	59 WINDERS LANE, LOCHINVAR 2321	Lot 6 DP239754	Residential
R5	93 WINDERS LANE, LOCHINVAR 2321	Lot 22 DP859518	Residential
R6	115 WINDERS LANE, LOCHINVAR 2321	Lot 310 DP863302	Residential
R7	141 WINDERS LANE, LOCHINVAR 2321	Lot 4 DP239754	Residential
R8	206 OLD NORTH ROAD, LOCHINVAR 2321	Lot 1311 DP1141533	Residential
R9	176 OLD NORTH ROAD, FARLEY 2320	Lot 1 DP634522	Residential
R10	94 OLD NORTH ROAD, FARLEY 2320	Lot 1 DP634522	Residential
R11	48 OLD NORTH ROAD, FARLEY 2320	Lot 4 DP 634525	Residential
R12	412 WOLLOMBI ROAD, FARLEY 2320	Lot 5 DP 634525	Residential
R13	398 WOLLOMBI ROAD, FARLEY 2320	Lot 4 DP234367	Residential
R14	319 WOLLOMBI ROAD, FARLEY 2320	Lot 3 DP810894	Residential
R15	312 WOLLOMBI ROAD, FARLEY 2320	Lot 8 DP585160	Residential
R16	292 WOLLOMBI ROAD, FARLEY 2320	Lot 90 DP774537	Residential

3 Proposed Lighting and Lighting Mitigation Measures

The adjacent residential properties are far away from the development and will not be affected by any light spill. To ensure that the lighting impact is contained, the following initiatives will be implemented

The design will be done in accordance with "AS1158:2020 Lighting for the roads and public spaces" and "AS4282.2019 – Control of the obtrusive effects of outdoor lighting."

The mitigation of any adverse effects will be managed through the use of:

- Selection of luminaires with tight beam control
- Where applicable Luminaires are to be mounted on adjustable brackets
- Luminaires that are dimmable
- Where applicable glare shields such as back shields or louvres
- The use of timers to automatically turn off or dim lighting system as required

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