

Appendix 14I

RSA

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# Proposed Derrygreenagh Power Project, Co. Offaly

Stage 1/2 Road Safety Audit

Bord Na Mona Powergen Limited

Project number: 60699676  
Doc ref: 60699676-RSA1/2

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## Quality information

Prepared by	Checked by	Verified by	Approved by
			
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## Revision History

Revision	Revision date	Details	Authorized	Name	Position
A	18.12.2023	Draft Issue	RL	Rowan Lyons	Principal Engineer
B	21.12.2023	Final Issue	RL	Rowan Lyons	Principal Engineer
C	18.01.2024	Final Issue	RL	Rowan Lyons	Principal Engineer

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# 1. Introduction

## 1.1 Overview

AECOM has been commissioned by Bord Na Mona Powergen Limited to undertake a Stage 1/2 Road Safety Audit (RSA) of the proposals for the new site accesses associated with the Proposed Derrygreenagh Power Project, Co. Offaly.

This Stage 1/2 RSA will assess the safety implications for all road users.

The Safety Audit Report indicates each of the problems identified, provides outline recommendations for solving the problems, presents the Audit Team Statement, and describes a schedule of documents reviewed. The members of the Audit Team were:

### Audit Team Leader:

Rowan Lyons, BEng CEng MIEI MCIHT MSoRSA Cert Comp RSA  
Principal Engineer, AECOM

### Audit Team Member:

Zachary Cave, BEng MIEI  
Senior Consultant, AECOM

The audit comprises of an examination of the proposed scheme drawings and onsite inspection. The site visit took place on Thursday the 14<sup>th</sup> of December 2023. On the day of the site visit, the weather was clear with the road surface being dry. The site visit was undertaken in daylight between the hours of 11:30 and 12:00.

## 1.2 Scheme Description

The scheme consists of the development of a new Power Plant at the Bord Na Mona Derrygreenagh Facility in Co. Offaly. Figure 1.1 illustrates the proposed site layout.

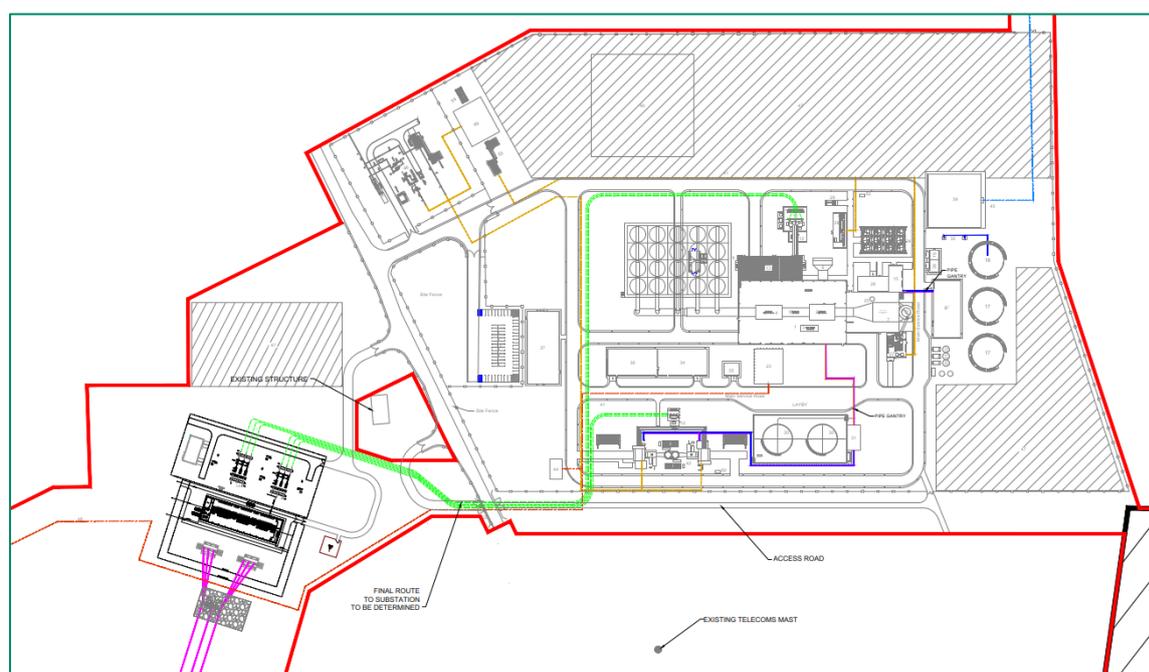


Figure 1.1 – Proposed Site Layout (Source: Drawings No. S7060-8310-0001)

### 1.3 Road Safety Audit

This Safety Audit represents the response of an independent Audit Team to various aspects of the scheme. The recommendations contained therein are the opinions of the Audit Team and are intended as a guide to the designers on how the scheme as proposed can be improved to address issues of road safety.

The following drawings were reviewed by the audit team:

- S7060-8050-0045-1 - R1.0 - Existing Site Plan, Sheets 1-8
- S7060-8050-005 - R1.0 - Power Plant Area, Main Site Plan
- S7060-8310-0011 – R4.0 - Site Layout Vehicle Tracking
- S7060-8310-0018 - R2.0 - Main Site & 220kV Entrance Sightlines Drawing

The terms of reference of the Audit are as described in TII guidelines GE-STY-01024. The team has examined and reported only on the road safety implications of the scheme as presented and they have not examined or verified the compliance of the design to any other criteria.

The Safety Audit guidelines do not provide a facility for the Audit Team to classify individual problems according to their severity, and hence the level of priority to be attached to each. It is instead the task of the design team and/or their representative to take a view on the validity of each of the recommendations and decide on an appropriate course of action.

The report indicates each of the problems identified together with recommendations to solve or mitigate the problems, the Audit Team Statement and a schedule of documents reviewed.

Any recommendations included within this report should not be regarded as being prescriptive design solutions to the problems raised. They are intended only to indicate a proportionate and viable means of eliminating or mitigating the identified problem, in accordance with GE-STY-01024, and in no way imply that a formal design process has been undertaken. There may be alternative methods of addressing a problem which would be equally acceptable in achieving the desired elimination or mitigation and these should be considered when responding to this report.

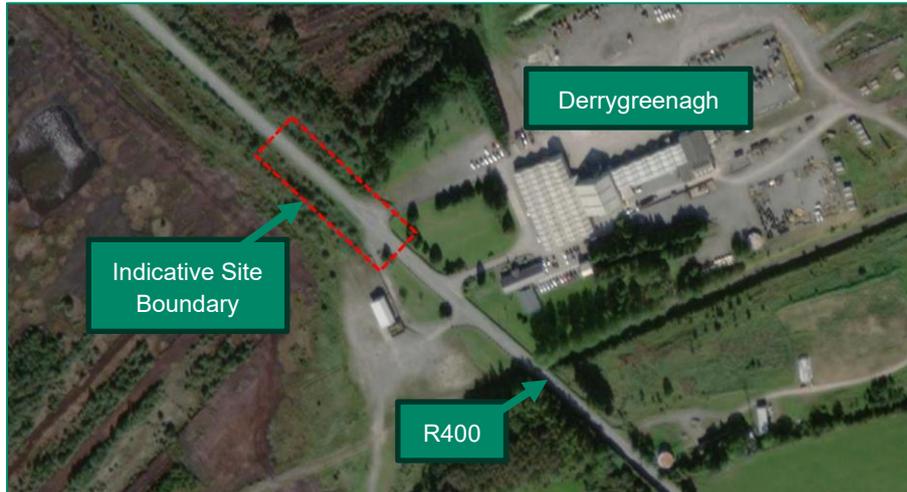
Where applicable, the locations of problems are shown in conjunction with the scheme proposals in Appendix B where the reference numbers relate to the problems identified in this report.

The response of the Design Team to the Safety Audit should be prepared in the form of a Safety Audit Feedback Form, accepting the changes proposed by the Audit Team or providing an alternative solution to the problem. The Feedback Form is then returned to the Audit Team for review and verification. A template for a Safety Audit Feedback Form is included as Appendix C.

## 2. Site Description

### 2.1 Overview

The scope of this Road Safety Audit considers the proposed new site accesses associated with the new Power Plant Area at Derrygreenagh. The indicative boundary for the location of new site entrances are shown in Figure 2.1.



**Figure 2.1 – Indicative new site entrance locations (Source: Bing Maps)**

Table 2.1, provides a summary of the scheme locations and context.

**Table 2.1 – Summary of new site entrance locations**

<b>Location:</b>	Derrygreenagh, Co. Offaly
<b>Classification:</b>	Regional Road – R400
<b>Speed Limit:</b>	80 km/hr
<b>Local Authority Area:</b>	Offaly County Council
<b>Type of Roads:</b>	Single Carriageway Road, Rural Environment

### 2.2 Site Observations

The site visit was undertaken during the daytime on Thursday the 14<sup>th</sup> of December 2023. Traffic flows were light during the site inspection. A number of observations were noted. These observations are discussed below under a number of key headings:

#### Road Geometry

- The R400 is a single lane two-way carriageway.

#### Vehicular Traffic

- The speed limit along the R400 at the location of the proposed accesses is 80km/hr.

#### Pedestrians and Cyclists

- There are no dedicated pedestrian facilities.
- There are no dedicated cycle facilities.

#### Street Lighting

- There is no street lighting along the R400 at the location of the proposed access.
- The site visit was carried out during daylight hours; lighting levels at the sites during darkness hours were therefore not observed.

#### Collisions

- The audit team have not been informed of any collisions within the vicinity of any of the schemes.

### **3. Departures from Standards**

#### **3.1 General**

No departures from standards have been notified to the audit team.

## **4. Items Resulting from This Stage 1/2 Road Safety Audit**

### **4.1 Overview**

This Safety Audit has reported on issues relating to the proposed site accesses for the Proposed Derrygreenagh Power Project in Co. Offaly. This is classified as a Stage 1/2 Road Safety Audit, as defined within the TII Road Safety Audit Guidelines.

### **4.2 Road Geometry**

There were no issues noted at this audit stage.

### **4.3 Pedestrians and Cyclists**

There were no issues noted at this audit stage.

### **4.4 Signing and Lining**

There were no issues noted at this audit stage.

### **4.5 Drainage and Maintenance**

There were no issues noted at this audit stage.

### **4.6 Public Lighting**

There were no issues noted at this audit stage.

## 5. Audit Team Statement

We certify that the site was visited and that this audit has been carried out in accordance with the Transport Infrastructure Ireland Road Safety Audit Guidelines GE-STY-01024-08 and Standard GE-STY-01027-02.

The Road Safety Audit has been carried out with the sole purpose of identifying any features of the design that could be removed or modified in order to improve the safety of the scheme.

No one on the audit team has been involved with the scheme design.

### AUDIT TEAM LEADER: Senior Road Safety Auditor

**Name:** Rowan Lyons

**Position:** Principal Engineer

**Signed:** 

**Organisation:** AECOM

**Date:** 18.01.2024

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### AUDIT TEAM MEMBER: Road Safety Auditor

**Name:** Zachary Cave

**Position:** Senior Consultant

**Signed:** 

**Organisation:** AECOM

**Date:** 18.01.2024

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## Appendix A Document Copies Submitted to the Audit Team

Document No.	Rev.	Description	Date
S7060-8050-0045-1 to 8	R1.0	Existing Site Plan Sheets 1-8	08.01.24
S7060-8050-005	R1.0	Power Plant Area Main Site Plan	18.12.23
S7060-8310-0011	R4.0	Site Layout Vehicle Tracking	17.01.24
S7060-8310-0011	R2.0	Main Site & 220kV Entrance Sightlines Drawing	18.01.24

