

1	INTRODUCTION, SCOPE & METHODOLOGY	
1.1	Requirement for rEIAR	1-1
1.2	Structure and Content of the rEIAR.....	1-3
1.3	Summary description of development the subject of rEIAR	1-12
1.4	Limitations & Difficulties in Compiling the Specified Information (Schedule 6 of SI 600 of 2001, as amended).....	1-18
1.5	rEIAR Contributors and Guarantee of Competency and Independence	1-19
1.6	The Applicant/Developer	1-20
1.7	rEIAR Process - Prediction of Impacts and Effects and Assessment of Remedial Mitigation Measures	1-21
1.8	The Need for the Development and Consideration of Alternatives	1-22
2	PROJECT DESCRIPTION	
2.1	Location of Subject Lands	2-1
2.2	Context and Landscape Character of Subject Lands.....	2-2
2.3	Development of Subject Site from Baseline to Current Time	2-4
2.4	Major Accidents and Disasters	2-19
3	POPULATION & HUMAN HEALTH	
3.1	Introduction	3-1
3.2	Methodology	3-1
3.3	Baseline	3-16
3.4	Characteristics of the Development.....	3-30
3.5	Potential Effects.....	3-32
3.6	Cumulative Impacts	3-42
3.7	Remedial Mitigation	3-42
3.8	Monitoring	3-42
3.9	Residual Effects.....	3-42
3.10	Difficulties Encountered	3-42
3.11	References	3-44
4	ECOLOGY AND BIODIVERSITY	
4.1	Introduction	4-1
4.2	Policy and legislation context	4-1
4.3	Assessment methodology and significance criteria.....	4-3
4.4	Baseline results	4-9
4.5	Evaluation	4-19
4.6	Impact Assessment	4-21
4.7	Remedial Mitigation, Compensation and Enhancement Measures	4-25
4.8	Residual effects	4-26
4.9	Cumulative impacts and Safeguarding Zones.....	4-27
4.10	Summary and Conclusions.....	4-27
4.11	References	4-29
5	SOILS, LAND AND GEOLOGY	
5.1	Introduction	5-1
5.2	Legislative and Policy Context.....	5-2
5.3	Assessment Methodology and Significance Criteria	5-4
5.4	Baseline Conditions	5-7
5.5	Characteristics of the Development.....	5-19
5.6	Potential Effects.....	5-20
5.7	Cumulative Impacts	5-23

5.8	Remedial Mitigation	5-23
5.9	Residual Effects.....	5-23
5.10	Monitoring	5-23
5.11	References	5-24
6	WATER	
6.1	Introduction	6-1
6.2	Legislative and Policy Context.....	6-1
6.3	Assessment Methodology and Significance Criteria	6-2
6.4	Baseline and Subsequent Conditions (1990 to 2021)	6-5
6.5	Hydrological and Hydrogeological Conceptual Model.....	6-10
6.6	Selection of Sensitive Receptors.....	6-40
6.7	Characteristics of the Development.....	6-41
6.8	Potential Effects.....	6-42
6.9	Remedial Measures Required	6-43
6.1	Residual Effects.....	6-47
6.11	Cumulative Effects.....	6-47
6.12	Monitoring	6-47
6.13	Difficulties Encountered	6-47
6.14	Summary and Conclusions.....	6-48
6.15	References	6-48
7	AIR QUALITY AND CLIMATE	
7.1	Introduction	7-1
7.2	Policy & Legislation Context.....	7-4
7.3	Existing Environment.....	7-7
7.4	Assessment Methodology	7-16
7.5	Potential Effects.....	7-17
7.6	Climate Factors.....	7-20
7.7	Cumulative Effects.....	7-20
7.8	Summary & Conclusion	7-21
8	NOISE AND VIBRATION	
8.1	Introduction	8-1
8.2	Description of Site Operations.....	8-1
8.3	Study Area and Noise Sensitive Receptors	8-1
8.4	Statement of Competence	8-3
8.5	Relevant Guidance and Legislation.....	8-3
8.6	Methodology	8-5
8.7	Historical Baseline	8-14
8.8	Embedded Mitigation Considered	8-15
8.9	Evaluation of Impacts	8-17
8.10	Mitigation measures	8-20
8.11	Conclusion	8-20
8.12	References	8-22
9	CULTURAL HERITAGE	
9.1	Introduction	9-1
9.2	Policy and Legislation Context	9-3
9.3	Assessment Methodology and Significance Criteria	9-6

9.4	Baseline Conditions	9-8
9.5	Potential Effects.....	9-14
9.6	Mitigation and Monitoring	9-16
9.7	Residual Effects.....	9-17
9.8	Cumulative Effects.....	9-18
9.9	Remedial Measures.....	9-18
9.10	Summary and Conclusions.....	9-18
9.11	References	9-20
10	LANDSCAPE AND VISUAL	
10.1	Introduction	10-1
10.2	Methodology	10-1
10.3	Receiving Environment.....	10-10
10.4	Development which has occurred	10-21
10.5	Assessment of Effects	10-24
10.6	Mitigation	10-42
11	TRAFFIC & TRANSPORTATION	
11.1	Introduction	11-1
11.2	Description of Development	11-1
11.3	Methodology	11-3
11.4	Primary Sources of Information	11-3
11.5	Receiving Environment.....	11-3
11.6	Trip Distribution.....	11-9
11.7	Road Impact	11-10
11.8	Mitigation Measures	11-14
11.9	Conclusions and Recommendations	11-15
12	MATERIAL ASSETS	
12.1	Introduction	12-1
12.2	Legislative Requirements	12-1
12.4	Baseline	12-4
12.5	Characteristics of the Development.....	12-8
12.6	Potential Effects.....	12-8
12.7	Cumulative Impacts	12-12
12.8	Remedial Mitigation	12-12
12.9	Monitoring	12-12
12.10	Residual Effects.....	12-12
13	INTERACTIONS AND INTER-RELATIONSHIPS	
13.1	Introduction	13-1
13.2	Methodology	13-2
13.3	Conclusions	13-5

APPENDICES

Appendix 1.1	2018 No. 929 JR - Final Perfected Order
Appendix 1.2	A.14.11547 - 1968 Permission
Appendix 1.3	SDCC 2007 Operating Conditions
Appendix 5.1	Borehole Logs
Appendix 6.1	River Quality Data Summary Table
Appendix 6.2	GW and SW Screening Table
Appendix 6.3	Laboratory Reports
Appendix 6.4	GW Level Summary Table
Appendix 7.1	Dust Assessment
Appendix 7.2	Traffic Modelling Assessment
Appendix 7.3	Asphalt Plant Assessment
Appendix 8.1	Calibration Certificates
Appendix 8.2	Noise Monitoring Data and Notes
Appendix 8.3	Vibration Monitoring Data
Appendix 9.1	Drawing – Cultural Heritage Assets and Study Area
Appendix 9.2	Cultural Heritage Gazetteer
Appendix 9.3	Geophysical Survey
Appendix 10.1	Aerial Images
Appendix 10.2	Concept Restoration Plan
Appendix 12.1	ESB Utility Maps
Appendix 12.2	GNI Utility Maps
Appendix 12.3	Irish Water Utility Maps