

TABLE OF CONTENTS**Attachment - A****Non-Technical Summary****Attachment - B****General**

<u>Sub-Section</u>	<u>Contents</u>	
B.1	Applicant Details	2
B.1.1.	A Copy of the Certificate of Incorporation	2/3
B.1.2.	Company's Registration Number	2
B.1.3.	List of Company Directors.	2
B.1.4	Ownership Plan (<i>Shows the Ownership of the land (coloured blue)</i>)	2/5
B.2	Location of Activity	7
B.2.1	Site Plan – Existing (<i>Boundary of Waste Licence Application area in red</i>)	8
B.2.2	Location Map (<i>Details within 500m of site boundary</i>)	10
B.2.3	Services Plan (<i>Details within 250m of site boundary</i>)	12
B.3	Planning Authority	14
B.3.1	Copy of most recent EIS associated with planning permission (P.A.Reg. Ref. 03/177) for the site of the activity.	15
B.3.2	Copy of Planning Permission P.A. Reg. Ref. 03/1773 and associated planners report.	16
B.3.3	Copy of Planning Permission P.A. Reg. Ref. 12/373 and associated planners report.	30
B.3.4	Table of references to all licences and permits past and presently in force at the time of submission of this application	53
B.6	Notices and Advertisements	54
B.6.1	Copy of the Site notice	55
B.6.2	Location of Site Notice	57
B.6.3	Copy of Newspaper Notice	59
B.6.4	Copy of Written Notification to Planning Authority of Application to the Environmental Protection Agency for a Waste Licence	61
B.7	Type of Waste Activity	63
B.7.1	Type of Waste Activity	63
B.7.2	Principal Activity	63
B.7.3	Other Waste Recovery Activities - Fourth Schedule of WMA	63

Attachment C**Management of the Facility**

<u>Sub-Section</u>	<u>Contents</u>	
C.1.	Technical Competence and Site Management	2
C.1.(a)	Organisation & Management Structure	3
C.2	Environmental Management System	4
C.3	Hours of Operations	5
C.3. (a)	Proposed hours of operation.	5
C.3. (b)	Proposed hours of waste acceptance/handling.	5
C.3. (c)	Proposed hours of any construction and development works at the facility and timeframes (required for landfill facilities).	5
C.3. (d)	Any other relevant hours of operation expected.	5

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Attachment D

Infrastructure & Operation

<u>Sub-Section</u>	<u>Contents</u>	
D.1.	Infrastructure	2
D.2	Facility Operations	9
D.2.(a).	Unit operations	9
D.2.(b).	Flow diagram of the whole process, along with a brief description detailing its management and maintenance plans	16
D.2.(c).	Aspects of the facility operation that can cause emissions to the environment during normal operation	17
D.2.(d).	Brief details of the activities carried on in laboratory facilities associated with the activity (if relevant).	17
D.2.(e).	For Incineration facilities (if applicable), provide information to fulfil Article 6 of the Incineration of Waste Directive	17
D.3	Liner System	17
D.4	Leachate Management	17
D.5	Landfill Gas Management	17
D.6	Capping System	18
D.7	Method Statement and Risk Assessment	19
FIGURES		20
D.1.1	Site Infrastructure - Phase 1	
D.1.2	Site Infrastructure – Phase 2	
D.1.3	Site Infrastructure - Phase 3	
D.1.4	Site Infrastructure – Final Restoration	
D.1.5	Cross Sections A to D	
D.1.6	Cross Sections E to G	
D.1.7	Full Retention Interceptor	
D.1.8	Wheel Wash	

Attachment E

Emissions

<u>Sub-Section</u>	<u>Contents</u>	
E.1	Emissions to Atmosphere	2
E1(a)	Composting Emissions	2
E1(b)	Particulates – waste storage/treatment/handling	2
E1(c)	Landfill Gas Emissions	2
E1(d)	Landfill Leachate Emissions	2
E1(e)	Infectious organisms/pathogens (clinical waste handling)	2
E1(f)	Thermal oxidizer Emissions	2
E1(g)	Other Emissions.	3
E1(g).i.	Fugitive Dust Emissions	3
E.2	Emissions to Surface Water	8
E.3	Emissions to Sewer	11
E.4	Emissions to Groundwater	14
E.5	Noise Emissions	16
E.6	Environmental Nuisances	18
E.6.1	Bird Control	18
E.6.2	Dust Control	18
E.6.3	Fire Control	19
E.6.4	Litter Control	19
E.6.5	Traffic Control	20
E.6.6	Vermin Control	20
E.6.7	Road Cleansing	20
Tables		
E.1(i)	LANDFILL GAS FLARE EMISSIONS TO ATMOSPHERE	4
E.1(ii)	MAIN EMISSIONS TO ATMOSPHERE	5
E.1(iii):	MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission	6
E.1(iv):	EMISSIONS TO ATMOSPHERE - Minor /Fugitive	7
E.2(i):	EMISSIONS TO SURFACE WATERS	9
E.2(ii):	EMISSIONS TO SURFACE WATERS - Characteristics of the emission	10
E.3(i):	EMISSIONS TO SEWER	12
E.3(ii):	EMISSIONS TO SEWER - Characteristics of the emission	13
E.4(i):	EMISSIONS TO GROUNDWATER	15
E.5(i):	NOISE EMISSIONS TABLE	17

Attachment F

Control & Monitoring

<u>Sub-Section</u>	<u>Contents</u>	
F.1	Treatment, Abatement and Control Systems	2
F.1.1	To Atmosphere	2
F.1.2	To Surface water/Sewer/Ground(water)	5
F.1.3	Noise Emissions	8
F.2	Monitoring & Sampling Points - Air	11
F.3.	Monitoring & Sampling Points – Surface Water	13
F.4.	Monitoring & Sampling Points – Sewer Discharge	13
F.5.	Monitoring & Sampling Points – Groundwater	14
F.6.	Monitoring & Sampling Points - Noise	16
F.7.	Monitoring & Sampling Points - Meteorological Data	17
F.8.	Monitoring & Sampling Points – Leachate	17
F.9.	Monitoring & Sampling Points – Landfill Gas	17
Tables		
F.1.1:	ABATEMENT / TREATMENT CONTROL - AIR	4
F.1.2:	ABATEMENT / TREATMENT CONTROL - SURFACE WATER	7
F.1.3:	ABATEMENT / TREATMENT CONTROL - NOISE	10
F2:	ENVIRONMENT MONITORING AND SAMPLING LOCATIONS - Fugitive Dust	12
F.3:	EMISSIONS MONITORING AND SAMPLING POINTS - Surface Water	13
F.4:	EMISSIONS MONITORING AND SAMPLING POINTS – Sewer	13
F.5:	EMISSIONS MONITORING AND SAMPLING POINTS – Groundwater	15
F6:	ENVIRONMENT MONITORING AND SAMPLING LOCATIONS – Noise	16
FIGURES		
F.1	Environmental Monitoring Plan	18

Attachment G

Resources Use & Energy Efficiency

<u>Sub-Section</u>	<u>Contents</u>	
G.1	Raw Materials, Substances, Preparations and Energy	2
G.2	Energy Efficiency	2
Tables		
G.1	Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site	3

Attachment H

Materials Handling

<u>Sub-Section</u>	<u>Contents</u>	
H.1	Waste Types & Quantities – Existing & Proposed	2
H.2	Waste Acceptance Procedures	6
H.3	Waste Handling	8
H.3.1	Recovery of Soils	8
H.3.2	Recovery of Construction Materials	9
H.4	Waste Arisings	9
H.5	Waste Recycling and Recovery	10
H.5.1	Waste Management Policy & Legislation	13

Tables

H.1.1 Volume of Material to be Imported for Restoration Works at Kilmeage Pit

H.4(ii) WASTE - Other Waste Recovery/Disposal

H.2.1 List of wastes acceptable at landfills for inert waste without testing

Attachment I

Existing Environment & Impact of the Facility

<u>Sub-Section</u>	<u>Contents</u>	
I.1	Assessment of Atmospheric Emissions	2
I.1.1	Introduction	2
I.1.2	Receiving Environment	2
I.1.3	Ambient Air Quality	2
I.1.3.1	Dust Monitoring Results	5
I.1.4	Assessment of Impacts	6
I.1.4.1	Direct Impacts	6
I.1.4.2	Indirect Impacts	9
I.1.4.3	Interaction with other Impacts	9
I.1.5	Abatement	9
I.1.6	Monitoring	10
I.1.7	Residual Impact	11
I.2	Assessment of Impact on Receiving Surface Water	12
I.2.1	Geological and Hydrogeological Assessment	13
I.3	Assessment of Impact of Sewage Discharge.	82
I.4	Assessment of impact of ground/groundwater emissions	82
I.5	Ground and/or groundwater contamination	85
I.6	Noise Impact.	86
I.6.1	Introduction	86
I.6.2	Methodology	86
I.6.3	Emission Limit Value	87
I.6.4	Receiving Environment	88
I.6.5	Ambient Noise levels	89
I.6.6	Assessment of Impacts	91
I.6.6.1	Direct Impacts	91
I.6.6.2	Indirect Impacts	93
I.6.6.3	Interaction with other Impacts	93
I.6.7	Abatement	93
I.6.8	Monitoring	94
I.6.9	Residual Impact	94
I.7	Assessment of Ecological Impacts & Mitigation Measures	95
I.7.1	Ecology Report	96
Tables		
I.1.(i)	Summary of recent dust monitoring results	4
I.2(i)	Surface Water Quality	80
I.4(i)	Groundwater Quality	83
I.6(i)	Ambient Noise Assessment	90
Figures		
I.1.(i)	Air Quality Index for Health Map (EPA June 2016)	3
I.1.(ii)	Air Emissions - Operational Activities	8
I.6.(i)	Noise Emissions - Operational Activities	91

Attachment J

Accident Prevention and Emergency Response

<u>Sub-Section</u>	<u>Contents</u>	
J.1	Accident Prevention and Emergency Response	2
J.1.1	Emergency/Spill Response Procedures	2
J.1.2	Fire Control	4
J.1.3	Public Liability Insurance	4
J.1.3.1	Copy of Public Liability Insurance	5

Attachment K

Remediation, Decommissioning, Restoration and Aftercare

<u>Sub-Section</u>	<u>Contents</u>	
K.1	Cessation of Activity	2
K.1.1	Restoration	2
K.1.2.	Closure Plan & Environmental Liability Risk Assessment	3

Attachment L

Statutory Requirements

<u>Sub-Section</u>	<u>Contents</u>	
L.1	Section 40 (4) WMA	2
L.1.1	Screening for Appropriate Assessment	7
L.2	Fit and Proper Person	17
L.2.1	Convictions	17
L.2.2	Technical Knowledge and/or Qualifications	17
L.2.3	Financial Provisions	17
L.2.3.1	A copy of letter dated 3rd June 2006 from the Company's Accountants confirming ability to meet any financial obligations	18
L.3	Waste Hierarchy	21
L.4	Principles of Self-Sufficiency and Proximity	21

Attachment M

Declaration

Contents

Copy of Declaration