ENVIROCO MANAGEMENT

Environmental Consultants

ENVIRONMENTAL PROTECTION AGENCY
20 OCT 2009

WASTE LICENCE REVIEW APPLICATION

FOR KMK METALS RECYCLING LTD

KMK METALS·RECYCLING

ACCUMULATOR™ BATTERY RECYCLING RECHARGE YOUR ENVIRONMENT

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AT

CAPPINCUR IND. ESTATE, TULLAMORE, CO. OFFALY

OCTOBER 2009

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Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Licence Application Form

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EPA Ref. Nº: (Office use only) W0113-04

This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Acts 1996 to 2003.

Environmental Protection Agency
P.O.Box 5000, Johnstown Castle Estate, County Wexford
Telephone: 053-60600 Fax: 053-60699

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Environmental Protection Agency
Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

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INTRODUCTION

A valid application must contain the information prescribed in the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004). **The applicant is strongly advised to read the *Application Guidance Notes* for Waste Licensing, available from the EPA.**

The applicant must conform to the format set out in the guidance notes for applications. Each page of the completed application form must be numbered, e.g. *page 5 of 45*, etc. Also duplicated pages from the application form should be uniquely numbered, e.g. page 5(i) of 45, etc. **The basic information should for the most part be supplied in the spaces given in application form** and any supporting documentation should be supplied as attachments, as specified. Consistent measurement units must be used throughout.

The applicant should note that the application form has been structured so that it requires information to be presented in an order of progressive detail.

When it is found necessary, additional information may be provided on supplementary attachments which should be clearly cross referenced with the relevant sections in the main document.

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While all sections in the application form may not be relevant to the activity concerned, the applicant should look carefully through all aspects of the form and provide the required information, in the greatest possible detail.

All maps/drawings/plans must be no larger than A3 size and scaled appropriately such that they are clearly legible. In exceptional circumstances, where A3 is considered inadequate, a larger size may be requested by the Agency.

Information supplied in this application, including supporting documentation will be put on public display and open to inspection by any person. Should the applicant consider information to be confidential, this information should be submitted in a separate enclosure bearing the legend " In the event that this information is deemed not to be held as confidential, it must be returned to .....". In the event that information is considered to be of a confidential nature, then the nature of this information, and the reasons why it is considered confidential (with reference to the " Access to Information on the Environment" Regulations) should be stated in the Application Form, where relevant.

It should be noted that it will not be possible to process or determine the application until the required documents have been provided in sufficient detail and to a satisfactory standard.

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CHECKLIST

Articles 12 and 13 of the Waste Management (Licensing) Regulations, 2004 (S.I. No. 395 of 2004) set out the information which must, in all cases, accompany a waste licence application. In order to ensure that the application fully complies with the legal requirements of Articles 12 and 13 of the 2004 Regulations, all applicants should **complete** the following.

In each case, refer to the attachment number(s) of your application which contain(s) the information requested in the appropriate sub-article.

Article 12(1) In the case of an application for a waste licence, the application shall -

(a) give the name, address and, where applicable, any telephone number and telefax of the applicant (and, if different, the operator of the facility concerned), the address to which correspondence relating to the application should be sent and, if the applicant or operator is a body corporate, the address of its registered office or principal office,

LOCATION	ATTACHMENT B	
CHECKED	**Applicant** ☒	**Official** ☐

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(b) give the name of the planning authority in whose functional area the relevant activity is or will be carried on,

LOCATION	ATTACHMENT B	
CHECKED	**Applicant** ☒	**Official** ☐

(c) in the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled,

LOCATION	ATTACHMENT B	
CHECKED	**Applicant** ☒	**Official** ☐

(d) give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the facility or premises to which the application relates,

LOCATION	ATTACHMENT B	
CHECKED	**Applicant** ☒	**Official** ☐

(e) describe the nature of the facility or premises concerned, including the proposed capacity of the facility or premises, and in the case of application in respect of a landfill of waste, the requirements specified in Annex 1 of the Landfill Directive,

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LOCATION	ATTACHMENT B	
CHECKED	**Applicant** ☒	**Official** ☐

(f) specify the class or classes of activity concerned, in accordance with the Third and Fourth Schedules of the Act, and in the case of an application in respect of the landfill of waste, specify the class of landfill in accordance with Article 4 of the Landfill Directive,

LOCATION	ATTACHMENT B	
CHECKED	**Applicant** ☒	**Official** ☐

(g) specify, by reference to the relevant European Waste Catalogue codes as presented by Commission Decision 2000/532/EC of 3 May 2000, the quantity and nature of the waste or wastes which will be treated, recovered or disposed of,

LOCATION	ATTACHMENT H	
CHECKED	**Applicant** ☒	**Official** ☐

(h) specify the raw and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity,

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LOCATION	ATTACHMENT D	
CHECKED	**Applicant** ☒	**Official** ☐

(i) describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems and operating procedures for the activity,

LOCATION	ATTACHMENT H	
CHECKED	**Applicant** ☒	**Official** ☐

(j) provide information for the purpose of enabling the Agency to make a determination in relation to the matters specified in paragraphs (a) to (g) of section 40(4) of the Act,

LOCATION	ATTACHMENT A	
CHECKED	**Applicant** ☒	**Official** ☐

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(k) give particulars of the source, location, nature, composition, quantity, level and rate of emissions arising from the activity and, where relevant, the period or periods during which such emissions are made or are to be made,

LOCATION	ATTACHMENT E	
CHECKED	**Applicant** ☒	**Official** ☐

(l) give details, and an assessment of the effects, of any existing or proposed emissions on the environment, including any environmental medium other than those into which the emissions are, or are to be made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit or abate such emissions,

LOCATION	ATTACHMENT E	
CHECKED	**Applicant** ☒	**Official** ☐

(m) identify monitoring and sampling points and indicate proposed arrangements for the monitoring of emissions and the environmental consequences of any such emissions,

LOCATION	ATTACHMENT F	
CHECKED	**Applicant** ☒	**Official** ☐

(n) describe any proposed arrangements for the prevention, minimisation and recovery of waste arising from the activity concerned,

LOCATION	ATTACHMENT D	
CHECKED	**Applicant** ☒	**Official** ☐

(o) describe any proposed arrangements for the off-site treatment or disposal of solid or liquid wastes,

LOCATION	ATTACHMENT B, D	
CHECKED	**Applicant** ☒	**Official** ☐

(p) describe the existing or proposed measures, including emergency procedures, to prevent unauthorised or unexpected emissions and minimise the impact on the environment of any such emission,

LOCATION	ATTACHMENT D	
CHECKED	**Applicant** ☒	**Official** ☐

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(q) describe the proposed measures for the closure, restoration, remediation or aftercare of the facility concerned, after the cessation of the activity in question,

LOCATION	ATTACHMENT K	
CHECKED	**Applicant** ☒	**Official** ☐

(r) in the case of an application in respect of the landfilling of waste, give particulars of –

(i) such financial provision as is proposed to be made by the applicant, having regard to the provisions of Articles (7)(i) and (8)(a)(iv) of the Landfill Directive and section 53(1) of the Act, and

LOCATION	NOT APPLCABLE	
CHECKED	**Applicant** ☐	**Official** ☐

(ii) such charges as are proposed or made, having regard to the requirements of section 53A of the Act,

LOCATION	NOT APPLCABLE	
CHECKED	**Applicant** ☐	**Official** ☐

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(s) state whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2000 (S.I. No. 476 of 2000) apply,

LOCATION	NOT APPLCABLE	
CHECKED	**Applicant** ☐	**Official** ☐

(t) in the case of an activity which gives rise or could give rise to an emission into an aquifer containing the List I and II substances specified in the Annex to Council Directive 80/68/EEC of 17 December 1979, describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6,7,8,9 and 10 of the aforementioned Council Directive,

LOCATION	NOT APPLCABLE	
CHECKED	**Applicant** ☐	**Official** ☐

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(u) include a non-technical summary of information provided in relation to the matters specified in paragraphs (a) to (t) of this sub-article,

LOCATION	ATTACHMENT A	
CHECKED	**Applicant** ☒	**Official** ☐

Article 12(4) Without prejudice to Article 13(1) and (2), an application for a licence shall be accompanied by -

(a) a copy of the relevant page of the newspaper(s) in which the notice in accordance with article 6 has been published,

LOCATION	ATTACHMENT B	
CHECKED	**Applicant** ☒	**Official** ☐

(b) a copy of the text of the notice or notices erected or fixed in accordance with article 7,

LOCATION	ATTACHMENT B	
CHECKED	**Applicant** ☒	**Official** ☐

(c) where appropriate, a copy of the notice given to a local planning under article 9,

LOCATION	NOT APPLCABLE	
CHECKED	**Applicant** ☒	**Official** ☐

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(d) a copy of such plans (appropriately scaled and no larger than A3 size), including a site plan or plans and location map or maps, and such other particulars, reports and supporting documentation as are necessary to identify and describe, as appropriate -
(i) the position of the notice in accordance with article 7,

LOCATION	ATTACHMENT B	
CHECKED	**Applicant** ☒	**Official** ☐

(ii) the point or points from which emissions are made or are to be made, and

LOCATION	ATTACHMENT E	
CHECKED	**Applicant** ☒	**Official** ☐

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(iii) the point or points at which monitoring and sampling are undertaken or are to be undertaken,

LOCATION	ATTACHMENT F	
CHECKED	**Applicant** ☒	**Official** ☐

(e) such fee as is appropriate having regard to the provisions of articles 40 and 41.

INCLUDED Y/N	YES	
CHECKED	**Applicant** ☒	**Official** ☐

Article 12(5)(a) & (b) An application shall comprise 1 signed original of the application and 2 copies in hardcopy format plus 2 copies of all files in electronic searchable PDF format on CD-Rom.

HARDCOPIES PROVIDED Y		
CHECKED	**Applicant** ☒	**Official** ☐

CD OF PDF FILES PROVIDED? Y		
CHECKED	**Applicant** ☒	**Official** ☐

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Article 13 Where a development requires an Environmental Impact Assessment to be carried out, 1 signed original and 2 copies in hardcopy format of the environmental impact statement plus 16 copies in electronic searchable PDF format on CD-ROM should accompany this application.

EIA REQUIRED ? Y		
CHECKED	**Applicant** ☒	**Official** ☐
3 HARD COPIES OF EIS INCLUDED ? Y		
CHECKED	**Applicant** ☒	**Official** ☐
16 CD versions of EIS, as PDF files, PROVIDED? Y		
CHECKED	**Applicant** ☒	**Official** ☐

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PROCEDURES

It is recommended that pre-application consultations with the Agency are undertaken before a formal submission of the waste licence application.

The procedure for making and processing of applications for waste licences, and for the processing of reviews of such licences, appear in the Waste Management (Licensing) Regulations 2004 (S.I. No. 395 of 2004) and are summarised below. The application fees that shall accompany an application are listed in the Second Schedule to the Regulations.

Prior to submitting an application the applicant must publish in a local newspaper, and erect on site, a notice of intention to apply. An applicant, other than a local authority in whose functional area the development is located, must also notify the Local Planning Authority, in writing, of their intention to apply.

An application for a licence must be submitted on the appropriate form (available from the Agency) with the correct fee, and should contain relevant supporting documentation as attachments. The application should be based on responses to the form, supporting written text and the appropriate use of tables and drawings. Where point source emissions occur, a system of unique reference numbers should be used to denote each emission point. These should be simple, logical, and traceable throughout the application.

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The application form is divided into a number of sections of related information. The purpose of these divisions being to facilitate both the applicant and the Agency in the provision of the information and its assessment. Attachments should be clearly numbered, titled and paginated and must contain the required information as set out in the application form. Additional attachments may be included to supply any further information supporting the application. Any references made should be supported by a bibliography.

All questions should be answered. No waste management facility is exactly the same and hence each application will require different information. It is therefore possible that some of the sections of this application form may not be relevant to the activity concerned. **Where information is requested in the application form, which is not relevant to the application, the words "not applicable" should be clearly written on the form. The abbreviation "N/A" should not be used.**

Additional information may need to be submitted beyond that which is explicitly requested on this form. Any references made should be supported by a bibliography. The Agency may request further information if it considers that its provision is material to the assessment of the application. Advice should be sought from the Agency where there is doubt about the type of information required or the level of detail.

Information supplied in this application, including supporting documentation will be put on public display and be open to inspection by any person. **Should the applicant**

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consider information to be confidential, then the nature of this information, and the reasons why it is considered confidential should be clearly stated in an attachment to the Application Form. This information should be submitted in a separate enclosure bearing the legend "In the event that this information is deemed not to be held as confidential, it must be returned to (representative of the applicant)".

Applicants should be aware that a contravention of the conditions of a waste licence is an offence under Section 39 of the Waste Management Acts 1996 to 2003.

The provision of information in an application for a waste licence which is false or misleading is an offence under Section 45 of the Waste Management Acts 1996 to 2003.

Note: Drawings. The following guidelines are included to assist applicants:

- *All drawings submitted should be titled and dated.*
- *They should have a **unique reference number** and should be signed by a clearly identifiable person.*
- *They should indicate a scale and the **direction of north**.*
- *All drawings should, generally, be to a scale of between 1:20 to 1:500, depending upon the degree of detail needed to be shown and the size of the facility. Drawings delineating the boundary can be to a smaller scale of between 1:1000 to 1:10560, but must clearly and accurately present the required level of detail. Drawings showing the site location can be to a scale of between 1:50 000 to 1:126 720. All drawings should, however, be A3 or less and of an appropriate scale such that they are clearly legible. Provide legends on all drawings and maps as appropriate.*

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The provision of information in an application for a waste licence, which is false or misleading, is an offence under s45 of the Acts.

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SECTION A NON-TECHNICAL SUMMARY

A Non-Technical Summary is to be submitted. The summary should include information on those aspects outlined in the Guidance Note and must comply with the requirements of Article 12 (1) (u) of the Waste Management (Licensing) Regulations, S.I. 395 of 2004.

The Non-Technical Summary should form **Attachment A.1**.

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SECTION B GENERAL

B.1 Applicant's Details

Name*:	**KMK Metals Recycling Ltd**
Address:	**Cappincur Industrial Estate**
	Daingean Road
	Tullamore
	Co. Offaly
Tel:	057 93 24092/41634
Fax:	057 93 22729
e-mail:	info@metalsrecycling.ie

* This should be the name of the applicant which is current on the date this Waste Licence Application is lodged with the Agency. It should be the name of the legal entity (which can be a limited company or a sole trader). A trading/business name is not acceptable.

Name and Address for Correspondence

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

Name:	**KMK Metals Recycling Ltd**
Address:	**Cappincur Industrial Estate**
	Daingean Road
	Tullamore
	Co. Offaly
Tel:	057 93 24092/41634
Fax:	057 93 22729
e-mail:	info@metalsrecycling.ie

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Address of registered or principal office of Body Corporate (if applicable)

Address:	**Cappincur Industrial Estate**
	Daingean Road
	Tullamore
	Co. Offaly
Tel:	057 93 24092/41634
Fax:	057 93 22729
e-mail:	info@metalsrecycling.ie

If the applicant is a body corporate, the following information must be attached as **Attachment B1**:

a) a Certified Copy of the Certificate of Incorporation or Memorandum and Article of Association;
b) the Company's Registration Number from the Companies Registry Office; and
c) a list of the Company Directors.

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State the interest of the applicant in the land which is subject to the application. The applicant is (please check):

Landowner	☒
Lessee	☒
Prospective Purchaser	☒
Other (please specify)	

Name and address of all occupiers of the land on which the Activity is situated (if different from applicant named above).

Name:	KMK Metals Recycling Limited
Address:	**Cappincur Industrial Estate**
	Daingean Road
	Tullamore
	Co. Offaly
Tel:	057 93 24092/41634
Fax:	057 93 22729
e-mail:	info@metalsrecycling.ie

Name and address of the current* owner(s) and lessees of the land, buildings and ancillary plant on which the activity is or will be situated (if different from applicant named above).
***An appropriately scaled drawing(≤A3) showing the above details should be included in* Attachment B1.**

Name:	**Mr Paddy McDermott**	**Mr Damien Donaghy**
Address:	**C/O Midland Farm Machinery**	**Clara Road**
	Cappincur Industrial Estate	**Kilbeggan**
	Daingean Road	**Co Offaly**
	Tullamore	
Tel:		
Fax:		
e-mail:		

*Current at the time the application is submitted

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B.2 Location of Activity

Name:	**KMK Metals Recycling Ltd**
Address*:	**Cappincur Industrial Estate**
	Daingean Road
	Tullamore
	Co. Offaly
Tel:	**057 93 24092/41634**
Fax:	**057 93 22729**
e-mail:	**info@metalsrecycling.ie**

* Include any townland

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National Grid Reference (8 digit 4E,4N)	6358E 7250N

Location maps (≤A3), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2.** The site boundary must be outlined on the map in colour.

B.3 Planning Authority

Give the name of the planning authority in whose functional area the activity is or will be carried out.

Name:	**Offaly County Council**
Address:	Aras an Chontae
	Charleville Road
	Tullamore
	Co. Offaly
Tel:	057 93 46800
Fax:	057 93 46868

Has the Planning Authority received written notification from the applicant of the application to The Environmental Protection Agency for a Waste Licence under Article 9 of the Waste Management (Licensing) Regulations?

Planning Authority notified	**Yes** ☒
	No ☐

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Planning Permission relating to this application:

has been obtained	☐
is being processed	☐
is not yet applied for	☒
is not required	☐

Local Authority Planning File Reference N^{o}:	Offaly County Council

Attachment B.3 should contain ***the most recent*** planning permission, including a copy of ***all*** conditions, and the required copies of any EIS should also be enclosed. For existing activities, **Attachment B.3** should also contain copies of of the most recent waste licence and any permits in force at the time of submission. Where planning permission is not required for the development, provide reasons, relevant correspondence, *etc.*

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B.4 Sanitary Authority

In the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority or other body, give the name of the sanitary authority in which the sewer is vested or by which it is controlled and the waste water treatment plant (if any) to which the sewer discharges.

Name: NOT APPLICABLE
Address:
Tel:
Fax:

The applicant must enclose, as **Attachment B.4,** a copy of any effluent discharge licence and/or agreement between the applicant and the body with responsibility for the sewer.

B.5 Other Authorities

The applicant should tick the appropriate box below to identify whether the activity is located within the Shannon Free Airport Development Company (SFADCo.) area.

Within SFADCo. Area	**Yes** ☐	**No** ☒

The applicant should indicate the **Health Board Region** where the activity is or will be located.

Name: HSE Midlands
Address: Sragh Industrial Estate
Tullamore
Co. Offaly
Tel:
Fax:

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B.6 Notices and Advertisements

Articles 6 and 7 of the Waste Management (Licensing) Regulations 2004 requires all applicants to advertise the application in a newspaper and by way of a site notice. See *Guidance Note.*

Attachment B.6 should contain a copy of the site notice and an appropriately scaled drawing (≤A3) showing its location on site. **The original application must include the complete newspaper in which the advertisement was placed.** The relevant page of the newspaper containing the advertisement should be included with the original and three copies of the application.

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B.7 Type of Waste Activity, Tonnages & Fees

B.7.1 Specify the class or classes of activity in Table B.7.1, in accordance with the Third Schedule or Fourth Schedule to the Waste Management Acts 1996 to 2003, to which the application relates (check the relevant box(es) and mark the principal activity with a 'P').

Attachment B.7 should identify the principle activity and include a brief technical description of each of the other activities specified. **There can only be one principal activity.**

TABLE B.7.1 THIRD AND FOURTH SCHEDULES OF THE WASTE MANAGEMENT ACTS 1996 TO 2003

Waste Management Acts 1996 to 2003			
THIRD SCHEDULE **Waste Disposal Activities**	**Y/N**	**FOURTH SCHEDULE** **Waste Recovery Activities**	**Y/N**
1. Deposit on, in or under land (including landfill).	No	1. Solvent reclamation or regeneration.	N
2. Land treatment, including biodegradation of liquid or sludge discards in soils.	No	2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).	N
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.	No	3. Recycling or reclamation of metals and metal compounds.	Y
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.	No	4. Recycling or reclamation of other inorganic materials.	Y
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.	No	5. Regeneration of acids or bases.	N
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 7 to 10 of this Schedule.	No	6. Recovery of components used for pollution abatement.	Y
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).	No	7. Recovery of components from catalysts.	Y
8. Incineration on land or at sea.	No	8. Oil re-refining or other re-uses of oil.	N
9. Permanent storage, including emplacement of containers in a mine.	No	9. Use of any waste principally as a fuel or other means to generate energy.	N
10. Release of waste into a water body (including a seabed insertion).	No	10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	N
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.	No	11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.	Y
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.	No	12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	Y
13. Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.	No	13. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.	Y

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TABLE B.7.2 MAXIMUM ANNUAL TONNAGE

The maximum annual tonnage of waste to be handled at the site should be indicated and the year to which the quantity relates indicated.

Maximum Annual Tonnage (tpa)	35,000
Year	2010

B.7.3 FEES

State each class of activity for which a fee is being submitted as per Part I of the Second Schedule of the Waste Management (Licensing) Regulations 2004, S.I. No. 395 of 2004. Note: two fees are required if disposal and recovery are to occur.

Waste Activity	**Fee (in €)**
Recovery of Waste (4)	6,000

TABLE B.7.4 (FOR A LANDFILL APPLICATION)

STATE WHICH OF THE FOLLOWING IS RELEVANT TO THE CURRENT APPLICATION.

NOT APPLICABLE

(a) landfill for hazardous waste	☐
(b) landfill for non-hazardous waste	☐
(c) landfill for inert waste	☐

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B.8 SEVESO II DIRECTIVE

State whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous substances) Regulations, 2000 (S.I. No. 476 of 2000), apply.

Regulations Apply	Yes ☐	No ☒

If yes, **Attachment B.8** should include the relevant details. Supporting information, as well as copies of any Hazardous Operation Studies (HAZOP) carried out for the site, should also be included in the attachment.

SECTION C MANAGEMENT OF THE FACILITY

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Advice on completing this section is provided in the *Guidance Note*.

C.1 Technical Competence and Site Management

This information should form **Attachment C 1**.

Details of the applicant's experience and qualifications, along with that of other relevant employees, should be summarised as shown below. Statements of duties, responsibilities, experience and qualifications should be submitted for each position named below. Additional information, including the management structure and an organisational chart, should be included in **Attachment C 1.**

Name	Position	Duties and Responsibilities	Experience /Qualifications
Mr Kurt M Kyck	**Managing Director**	**Site owner and top management**	**25years experience in Waste Management within Ireland**
Ms Charlotte Walker	**Environmental Manager**	**Daily environmental management of company operations**	**B.Sc and several years experience with KMK Metals**
Max Kyck	**Logistics Manager**	**Daily operations management and related works**	**Several years experience in KMK Metals**

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C.2 Environmental Management System

Attachment C 2 should contain the Environmental Management System (EMS) details required.

C.3 Hours of Operation

Attachment C 3 should contain details of hours of operation for the waste facility, civic waste facilities and other facilities.

(a) Proposed hours of operation.
(b) Proposed hours of waste acceptance/handling.
(c) Proposed hours of any construction and development works at the facility and timeframes (required for landfill facilities).
(d) Any other relevant hours of operation expected.

C.4 Conditioning Plan

Address as **Attachment C 4,** in the case of a LANDFILL Application, and only for the review of a Landfill Waste Licence.

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SECTION D INFRASTRUCTURE & OPERATION

D.1 Infrastructure

Complete the following table detailing the site infrastructure. **Attachment D 1** should contain the appropriate documentation. Information provided should follow the sequence, and use the headings, established in Table D.1. Additional advice on completing this section is provided in the application *Guidance Note.*

Table D.1. Infrastructure		y/n	Comments
D.1.a	**Site security arrangements including gates and fencing**	Y	See Attachment D
D.1.b	**Designs for site roads**	Y	See Attachment D
D.1.c	**Design of hardstanding areas**	Y	See Attachment D
D.1.d	**Plant**	Y	See Attachment D
D.1.e	**Wheel-wash**	N	See Attachment D
D.1.f	**Laboratory facilities**	N	See Attachment D
D.1.g	**Design and location of fuel storage areas**	N	See Attachment D
D.1.h	**Waste quarantine areas**	Y	See Attachment D
D.1.i	Waste inspection areas	Y	See Attachment D
D.1.j	**Traffic control**	N	See Attachment D
D.1.k	**Sewerage and surface water drainage infrastructure**	Y	See Attachment D
D.1.l	**All other services**	Y	See Attachment D
D.1.m	**Plant sheds, garages and equipment compound**	Y	See Attachment D
D.1.n	**Site accommodation**	N	See Attachment D
D.1.o	**A fire control system, including water supply**	Y	See Attachment D
D.1.p	**Civic amenity facilities**	NOT APPLICABLE	
D.1.q	**Any other waste recovery infrastructure**	NOT APPLICABLE	
D.1.r	**Composting infrastructure**	NOT APPLICABLE	
D.1.s	**Construction and Demolition waste infrastructure**	NOT APPLICABLE	
D.1.t	**Incineration infrastructure (if applicable).** **Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive**	NOT APPLICABLE	
D.1.u	**Any other infrastructure**	NOT APPLICABLE	

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D.2 Facility Operation

In **Attachment D 2** describe the plant, methods, processes and operations of the waste facility, as required by the *Guidance Note*.

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

LANDFILLS

The following Sections D3 to D7 should only be completed for Landfill Applications. Reference should be made to the Agency landfill manual 'Landfill Site Design (2000)' when completing this section.

D.3 Liner System

Complete the following table regarding the liner system to be used for the landfill/landfill extension and detail the information requested as **Attachment D.3**. ***Items D3c to D3g should only be completed for immediate projects only (ie Years 1 & 2).*** A schedule of Liner construction activities for the medium to long term need only be listed in item D3a below, since Condition 3 of any licences granted will provide reporting requirements for any future projects.

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TABLE D.3 LINER SYSTEM

		y/n	Comments
D.3.a	**Provide information to fulfil Annex 1 of the Landfill Directive**		
D.3.b	**What type of liner system is specified?**		
D.3.c	**Has a Quality Control Plan been specified?**		
D.3.d	**Has a Quality Assurance Plan been specified?**		
D.3.e	**Have independent, third-party supervision, testing and controls been specified?**		
D.3.f	**Have basal gradients for all cells and access ramps to the cells been designed?**		
D.3.g	**Has a leak detection survey been specified?**		

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D.4 Leachate Management

Complete the following table detailing leachate management arrangements. Further information should be included in **Attachment D.4.**

TABLE D.4.1 LEACHATE MANAGEMENT ARRANGEMENTS

		y/n	Comments
D.4.a	**Is there a Leachate Management Plan?**		
D.4.b	**Have annual quantities of leachate been calculated?**		
D.4.c	**Has the total quantity of leachate been calculated?**		
D.4.d	**Have the size of the cells been specified taking account of the water balance calculations?**		
D.4.e	**Has a leachate collection system been specified?**		
D.4.f	**Has a leachate storage system been specified?**		
D.4.g	**Has a system for monitoring the level of leachate in** the waste been designed?		
D.4.h	**Is leachate recirculation proposed/practised?**		
D.4.i	**Has leachate treatment on-site been specified?**		
D.4.j	**Has leachate removal been specified?**		

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D 5 Landfill Gas Management

All landfill sites should have suitable arrangements for the management of landfill gas. **Attachment D.5** should contain the appropriate documentation. Information provided should follow the sequence, and use the headings, established in Table D.5. ***Items D5g to D5m should only be completed for immediate or current gas collection projects only (ie Years 1 & 2).*** A schedule of gas management aspects for the medium to long term need only be listed in item D5f below, since Condition 3 of any proposed decision/licence will provide reporting requirements for any future projects.

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Table D.5. Landfill Gas Management

		y/n	Comments
D.5a	Is there a Landfill Gas Management Plan? Provide estimates of the volumes of landfill gas which will be produced by the waste disposed of in the site for the next 20 years, and compare to the EPER list for methane:		
D.5b	Is there a passive venting system?		
D.5c	Does the passive system cover all of the filled area?		
D.5d	Have gas alarm systems been installed in the site buildings?		
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?		
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?		
D.5g	Is gas flaring undertaken at the site?		
D.5h	Is there an active (i.e. pumped) landfill gas extraction system?		
D.5i	Does the active system cover all of the filled area?		
D.5j	Is landfill gas used to generate energy at the site?		
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?		
D.5l	Has a maintenance programme for the control system been specified?		
D.5m	Has a condensate removal system been designed?		

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D.6 Capping System

Complete the following table detailing the design of the capping system. **Attachment D.6** should contain the appropriate documentation. ***Items D6e to D6k should be completed for immediate projects only (ie Years 1 & 2).*** Condition 10 of any proposed decision/licence will provide reporting requirements for capping requirements beyond this timeframe.

Table D.6 Capping System

		y/n	Comments
D.6a	**Has the daily cover been specified?**		
D.6b	**Has the intermediate cover been specified?**		
D.6c	**Has the temporary capping been specified?**		
D.6d	**Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?**		
D.6e	**Does the Capping System include a flexible membrane liner?**		
D.6f	**Have all capping materials been specified?**		
D.6g	**Has a Method Statement for construction been produced?**		
D.6h	**Has a Quality Control Plan been produced?**		
D.6i	**Has a Quality Assurance Plan been produced?**		
D.6j	**Has a programme for monitoring landfill stability been developed?**		
D.6k	**Has a programme for monitoring landfill settlement been developed?**		

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SECTION E EMISSIONS

Give particulars of the source, location, nature, composition, quantity, level and rate of emissions arising from the activity and, where relevant, the period or periods during which such emissions are made or are to be made.

The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. 394 of 2004 are emitted.

E.1 Emissions to Atmosphere

Details of all point emissions to atmosphere should be supplied. Table E.1.(i) (for Landfill Gas Flare emissions) must be completed for all landfills with a flare. Complete Table E.1(ii) and E.1(iii) for all other main emission points, including stack sources (incinerator stacks, landfill gas utilisation plants, air handling unit emissions etc.). Complete Table E.1(iv) for minor/fugitive/ground emission points.

E.2 Emissions to Surface Waters

Attachment E.2 Tables E.2(i) and E.2(ii) should be completed where relevant.

E.3 Emissions to Sewer

Attachment E.3 Tables E.3(i) and E.3(ii) should be completed, where relevant.

E.4 Emissions to Groundwater

Describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6, and 7 of Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution by certain dangerous substances.

Table E.4(i) should be completed, as relevant, for each source.

Supporting information should form **Attachment E.4**

E.5 Noise Emissions

Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made or are to be made.

Table E.5(i) should be completed, as relevant, for each source.

Supporting information should form **Attachment E.5**

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E.6 Environmental Nuisances

Attachment E.6 should contain the appropriate documentation. Information provided should follow the sequence, and use the headings as relevant established in Table D.6. Additional advice on completing this section is provided in the *Guidance Note*.

TABLE E.6 ENVIRONMENTAL NUISANCES

Bird Control	**Control method specified**	**yes** ☐	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒
Dust Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Fire Control	**Control method specified**	**yes** ☐	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒
Litter Control	**Control method specified**	**yes** ☐	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒
Traffic Control	**Control method specified**	**yes** ☐	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒
Vermin Control	**Control method specified**	**yes** ☐	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒
Road Cleansing	**Control method specified**	**yes** ☐	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

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SECTION F CONTROL & MONITORING

F.1: Treatment, Abatement and Control Systems

Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility. Details of treatment/abatement systems (air and effluent emissions) should be included, together with appropriately scaled schematics (≤A3) as appropriate.

For each Emission Point identified complete Table F.1 of the Annex, and include detailed descriptions and appropriately scaled schematics (≤A3) of all abatement systems.

Attachment F.1 should contain any supporting information.

F.2- F. 9. Monitoring and Sampling Points

Programmes for environmental monitoring should be submitted as part of the application. These programmes should be provided as **Attachments F.2 to F.6** and meet the advice published by the Agency in the relevant BAT Note. For Landfills the additional **Attachments F.7 to F.8** should be completed. Furthermore for a landfill application the applicant must refer to the Agency *Landfill Monitoring Manual (2003)* for further details on monitoring requirements for proposed facilities.

Include details of monitoring/sampling locations and methods.

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F.2 Air
- to include Dust, Odour

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.3 Surface Water

Monitoring of surface water shall be carried out at not less than two points, one upstream from the waste facility and one downstream.

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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F.4 Sewer Discharge

Monitoring of sewer discharge shall be carried out at the point specified by the local authority/Agency.

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

F.5 Groundwater

Groundwater monitoring is required at all landfill facilities; and certain other waste facilities depending on waste activities and the underlying aquifer vulnerability.

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.6 Noise

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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F.7 Meteorological Data

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

Application for Landfills require the additional Attachments F.7 to F.8, to be completed:

F.8 Leachate

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

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F.9 Landfill Gas

Complete each of the following tables to show whether information has been included on aspects of landfill gas monitoring. **Attachment F.9** should also contain information to show whether the data given in Tables F.9.(a) and F.9(b) below represents actual or anticipated data. Complete Table F.9 as follows:

Table F.9 (a) Landfill Gas Monitoring for existing landfill gas flares / utilisation plants

Inlet					
Methane (CH_4) % v/v					
Carbon dioxide (CO_2) %v/v					
Oxygen (O_2) % v/v					
Outlet					
Volumetric Flow Rate					
SO_2					
Nox					
CO					
Particulates					
TA Luft Class I, II, III organics					
Hydrochloric acid					
Hydrogen Fluoride					

Table F.9(b) Landfill Gas Monitoring

	Gas boreholes / vents/ wells/ perimeter locations	Facility Office			
Methane (CH_4) % v/v					
Carbon Dioxide (CO_2) % v/v					
Oxygen (O_2) % v/v					
Atmospheric Pressure					
Temperature					

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Table F.9 (c) Landfill Gas Infrastructure

Gas Collection System				
Gas Control System				

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

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SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

Attachment G.1 should contain a list of all raw, product and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity. Information on any insecticides, herbicides or rat poisons etc. should also be provided with their respective data and safety sheets. The Standard Forms, provided in Annex 1, should be used in the description of these materials, substances, etc., where relevant. Additional advice on completing this section is provided in the *Guidance Note*.

Attachment included	**yes** ☐ **no** ☐ **not applicable** ☒

G.2 Energy Efficiency

A description of the energy used in or generated by the activity must be provided in **Attachment G.2**.

Attachment included	**yes** ☒ **no** ☐ **not applicable** ☐

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SECTION H MATERIALS HANDLING

H.1 Waste Types and Quantities – Existing & Proposed

Provide an estimation of the quantity of waste likely to be handled in relation to each class of activity applied for. This information should be included in Table H.1(a).

TABLE H.1(A). QUANTITIES OF WASTE IN RELATION TO EACH CLASS OF ACTIVITY APPLIED FOR

Waste Management Act 4th Schedule (Recovery) Activities		
Class of Activity Applied For		**Quantity (tpa)**
Class 1		PLEASE REFER TO ATTACHMENT H
Class 2		
Class 3		
Class 4		
Class 5		
Class 6		
Class 7		
Class 8		
Class 9		
Class 10		
Class 11		
Class 12		
Class 13		

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In Table H. 1 (B) provide the annual amount of waste handled/to be handled at the facility. Additional information should be included in **Attachment H.1.** The tonnage per annum should be given of that expected for the life of the licence, with at least the next five years tonnages provided. For Landfill Review applications provide an estimate of the quantity of waste already deposited in (i) lined cells; (ii) unlined cells.

TABLE H.1(B) ANNUAL QUANTITIES AND NATURE OF WASTE

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
2008	13,166	5,748	18,914
2009	15,141	6,610	21,751
2010	17,412	7,601	25,013
2011	20,024	8,741	28,765

* 2008-2011 Figures are based on 15% projected increase in waste acceptance at the site and effectively levelling off to 29,000 tonnes (dependant on contracts secured by KMK Metals).

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A detailed inventory of the types and quantities of wastes currently handled at the site and proposed to be handled should be submitted as Table H.1 (C).

TABLE H.1 (C) WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Household			
Commercial			
Sewage Sludge			
Construction and Demolition			
Industrial Non-Hazardous Sludges			
Industrial Non-Hazardous Solids			
Hazardous ***(Specify detail in Table H 1.2)**			
Inert Waste imported for restoration purposes	[redacted] FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY		

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* TABLE H.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES

HAZARDOUS WASTE	DETAILED DESCRIPTION * REFERENCE SHOULD BE MADE TO THE RELEVANT EUROPEAN WASTE CATALOGUE CODES AS PRESENTED BY COMMISSION DECISION 2000/532/EC	Tonnes Per Annum (Existing)	(Tonnes Per Annum Proposed)
Waste Oil			
Oil filters			
Asbestos			
Paint and Ink			
Batteries			
Fluorescent Light Bulbs			
Contaminated Soils			
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)			
See waste acceptance sheets attached for year ending 2008 taken from the most recent annual environmental report (AER).			

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Waste Received in 2008

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Table 1: Total Amenity waste received in 2008 at KMK Metals Recycling Ltd.

Point of Collection	Description Of Waste	EWC Code	Qty Tonnes
Civic Amenity	Ferrous metal filings and turnings	12 01 01	0.998
Civic Amenity	Paper and cardboard packaging	15 01 03	0.100
Civic Amenity	Discarded equipment containing chlorofluorocarbons, HCFC, HFC	16 02 11*	2.015
Civic Amenity	Discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12	16 02 13*	1.526
Civic Amenity	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13	16 02 14	2.704
Civic Amenity	Lead batteries	16 06 01*	171.797
Civic Amenity	Alkaline batteries (except 16 06 03)	16 06 04	18.552
Civic Amenity	Fluorescent tubes and other mercury-containing waste	20 01 21*	0.093
Civic Amenity	Discarded equipment containing chlorofluorocarbons	20 01 23*	1,212.582
Civic Amenity	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	20 01 35*	1,498.522
Civic Amenity	Discarded electrical and electric equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	20 01 36	6,148.308
TOTAL			**9,057.197**

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Table 2: Total Commercial waste received in 2008 at KMK Metals Recycling Ltd.

Point of Collection	Description Of Waste	EWC Code	Qty Tonnes
Commercial	Ferrous metal filings and turnings	12 01 01	21.533
Commercial	Non-ferrous metal filings and turnings	12 01 03	15.919
Commercial	Plastic packaging	15 01 02	1.118
Commercial	Wood other than mentioned in 20 01 37	15 01 03	1.512
Commercial	Metallic packaging	15 01 04	19.622
Commercial	Discarded equipment containing chlorofluorocarbons, HCFC, HFC	16 02 11*	104.910
Commercial	Discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12	16 02 13*	131.149
Commercial	Smoke Detectors	16 02 13*	5.202
Commercial	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13	16 02 14	210.575
Commercial		16 02 15*	0.495
Commercial	Components removed from discarded equipment other than those mentioned in 16 02 15	16 02 16	170.946
Commercial	Lead batteries	16 06 01*	75.837
Commercial	Alkaline batteries	16 06 04	3.650
Commercial	Other batteries and accumulators	16 06 05	0.204
Commercial	Fluorescent tubes and other mercury-containing waste	20 01 21*	1.739
Commercial	Discarded equipment containing chlorofluorocarbons	20 01 23*	1,019.047
Commercial	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	20 01 35*	381.015
Commercial	Discarded electrical and electric equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	20 01 36	4,348.633
TOTAL			**6,513.106**

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Table 3: Total Industrial waste received in 2008 at KMK Metals Recycling Ltd.

Point of Collection	Description Of Waste	EWC Code	Qty Tonnes
Industrial	Waste containing other heavy metals	06 04 05*	1.688
Industrial	Wastes not otherwise specified	06 04 99	19.891
Industrial	Sludges from on-site effluent treatment containing dangerous solutions	06 05 02*	44.005
Industrial	Wastes not otherwise specified	06 13 99	19.448
Industrial	Ferrous metal filings and turnings	12 01 01	257.004
Industrial	Non-ferrous metal filings and turnings	12 01 03	42.578
Industrial	Non-ferrous metal dust and particles	12 01 04	59.640
Industrial	Welding wastes	12 01 13	10.455
Industrial	Waste blasting material other than those mentioned in 12 01 16	12 01 17	19.364
Industrial	Spent grinding bodies and grinding materials containing dangerous substances	12 01 20*	28.937
Industrial	Metallic packaging	15 01 04	0.110
Industrial	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	15 02 03	2.468
Industrial	Discarded equipment containing chlorofluorocarbons, HCFC, HFC	16 02 11*	2.471
Industrial	Discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12	16 02 13*	49.032
Industrial	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13	16 02 14	53.360
Industrial	Components removed from discarded equipment other than those mentioned in 16 02 15	16 02 16	275.330
Industrial	Lead batteries	16 06 01*	42.265
Industrial	Ni-Cd batteries	16 06 02*	0.617
Industrial	Alkaline batteries (except 16 06 03)	16 06 04	10.105
Industrial	Other batteries and accumulators	16 06 05	0.620
Industrial	Sludges from physico/chemical treatment containing dangerous substances	19 02 05*	21.530
Industrial	Fluorescent tubes and other mercury-containing waste	20 01 21*	0.542
TOTAL			**962.955**

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Table 4: Total waste received at the Transfer Station in 2008 at KMK Metals Recycling Ltd.

Point of Collection	Description Of Waste	EWC Code	Qty Tonnes
Transfer Station	Ferrous metal filings and turnings	12 01 01	227.433
Transfer Station	Non-ferrous metal filings and turnings	12 01 03	6.944
Transfer Station	Plastic packaging	15 01 02	1.145
Transfer Station	Wooden packaging	15 01 03	1.427
Transfer Station	Discarded electrical equipment containing chlorofluorocarbons, HCFC, HFC	16 02 11*	9.415
Transfer Station	Discarded electrical equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12	16 02 13*	60.946
Transfer Station	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13	16 02 14	140.558
Transfer Station	Components removed from discarded equipment other than those mentioned in 16 02 15	16 02 16	371.687
Transfer Station	Lead batteries	16 06 01*	467.261
Transfer Station	Alkaline Batteries (except 16 06 03)	16 06 04	9.310
Transfer Station	Fluorescent tubes and other mercury-containing waste	20 01 21*	1.726
Transfer Station	Discarded equipment containing chlorofluorocarbons	20 01 23*	251.342
Transfer Station	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	20 01 35*	222.441
Transfer Station	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	20 01 36	673.048
TOTAL			**2,444.683**

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Attachment H.1 should contain any relevant additional information.

It should be noted that an applicant may be issued with a licence which restricts the type of wastes which may be deposited.

H.2 Waste Acceptance Procedures

Procedures for checking waste loads as they arrive at the facility must be included. These should follow the requirements of the Agency's Waste Acceptance Manual. A copy of these procedures and other associated documentation should be included as **Attachment H.2.**

H.3 Waste Handling

Waste handling and the operating procedures used at the facility including waste treatment processes should be described in **Attachment H.3**. Included in the attachment should be information on the plant used on site and on the methods and processes for handling waste on-site. Special requirements hold for contaminated soil facilities, see *Guidance Note*.

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In addition, an application for a Landfill requires Section H.3.a to be completed:

H.3a Waste Handling at the Landfill Facility

State whether all waste will be subject to treatment prior to landfilling. Provide information as to the quantities of biodegradable municipal waste and how the targets of the Landfill Directive (1999/31/EC) relating to that waste type are to be achieved. In particular describe how the following will be achieved:

(a) a reduction by 16/07/06 to 75% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;

(b) a reduction by 16/07/09 to 50% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;

(c) a reduction by 16/07/16 to 35% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;

(d) Evidence should be provided to show that energy will be used efficiently.

H.4 Waste Arisings

Waste Arisings should be considered for all contaminated soil applications. Details of all waste materials generated on the site including, name, description and nature

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as well as the source(s) should be identified. The quantities of each type of waste generated on an annual/monthly basis should be calculated and stated in Tables H.1(i) and H. 1(ii) of the application form. Applicants should also provide conversion factors used to relate volume (m^3) and tonnage (t) for their waste stream.

SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY

Detailed information is required to enable the Agency to assess the existing environment. This section requires the provision of information on the ambient environmental conditions at the site prior to the commencement of waste management activities or prior to the receipt of a review application.

Where development is proposed to be carried out, being development which is of a class for the time being specified under Article 24 (First Schedule) of the Environmental Impact Assessment Regulations, the information on the state of the existing environment should be addressed in the EIS. **In such cases, it will suffice for the purposes of this section to provide adequate cross-references to the relevant sections in the EIS.**

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I.1.Assessment of atmospheric emissions

Describe the existing environment in terms of air quality with particular reference to ambient air quality standards.

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to the atmosphere are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Attachment I.1 should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required.

I.2. Assessment of Impact on Receiving Surface Water

Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Table I.2(i) should be completed

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to water are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

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Full details of the assessment and any other relevant information on the receiving environment should be submitted as **Attachment I.2.**

I.3. Assessment of Impact of Sewage Discharge.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other supporting information should form **Attachment I.3.**

I.4 Assessment of impact of ground/groundwater emissions

The scope and detail of this assessment will depend to a large extent on the extent and type of ground emissions at any site, which in turn are related to the risk. Details should be included in **Attachment I.4.** Comprehensive guidelines are contained in the *Application Guidance Note,* and include particular requirements for landfill and brownfield facilities.

Describe the existing groundwater quality. Tables I.4(i) should be completed.

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I.5 Ground and/or groundwater contamination

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, appropriately scaled plans/drawings (≤A3), documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment I.5**.

I.6 Noise Impact.

Give details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Ambient noise measurements
Complete Table I.6(i) in relation to the information required below:

(i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)

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(ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.

(iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, appropriately scaled maps (≤ A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment I.6.**

I.7 Assessment of Ecological Impacts & Mitigation Measures

The ecology of the site and the surrounding area should be assessed in the vicinity of the largescale waste facilities such as landfill or incinerator developments. An assessment of the ecology should form **Attachment I.7.** Comprehensive guidelines are contained in the *Application Guidance Note*

SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

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Describe the existing or proposed measures, including emergency procedures, to minimise the impact on the environment of an accidental emission or spillage.

Also outline what provisions have been made for response to emergency situations outside of normal working hours, i.e. during night-time, weekends and holiday periods.

Describe the arrangements for abnormal operating conditions including start-up, leaks, malfunctions or momentary stoppages.

Supporting information should form **Attachment J.**

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

Describe the existing or proposed measures to minimise the impact on the environment after the activity or part of the activity ceases operation, including provision for post-closure care of any potentially polluting residuals.

For Landfill Applications, capping proposals are required, and reference should be made to the *Landfill Manual on 'Restoration and Aftercare'* published by the Agency, when completing this section.

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

SECTION L STATUTORY REQUIREMENTS

L. 1 Section 40(4) WMA

Indicate how all the requirements of Section 40(4)[(a) to (i)] of the Waste Management Acts 1996 to 2003 will be met.

Applicants should also describe how the proposed facility will comply with the requirements of BAT. In particular reference should be made to the considerations referred to in Annex IV of Council Directive 96/61/EC concerning integrated pollution prevention and control.

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Attachment L.1 should contain the documentation requested above, along any relevant additional information.

Attachment included	**yes** ☐	**no** ☐	**not applicable** ☐

L.2 Fit and Proper Person

The WMA in Section 40(4)(d) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant (if the applicant is not a local authority) is a fit and proper person. Section 40(7) of the WMA specifies the information required to enable a determination to be made by the Agency.

- Indicate whether the applicant or other relevant person has been convicted under the Waste Management Acts 1996 to 2003, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.

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- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees (Link to Section C.1 of the application).

- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity (Link to Section K of the application).

Supporting information should be included as **Attachment L 2** with reference to where the information can be found in the application.

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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SECTION M DECLARATION

Declaration

I hereby make application for a licence / revised licence, pursuant to the provisions of the Waste Management Acts 1996 to 2003 and Regulations made thereunder.

I certify that the information given in this application is truthful, accurate and complete.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website. This consent relates to this application itself and to any further information, submission, objection, or submission to an objection whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

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Signed by :_____ **Date :**_____
(on behalf of the organisation)

Print signature name: _____

Position in organisation :_____

Company stamp or seal:

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SECTION L DECLARATION

Declaration

I hereby make application for a licence / revised licence, pursuant to the provisions of the Waste Management Acts 1996 to 2003 and Regulations made thereunder.

I certify that the information given in this application is truthful, accurate and complete.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website. This consent relates to this application itself and to any further information, submission, objection, or submission to an objection whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

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Signed by : _____ **Date :** 16.10.2009
(on behalf of the organisation)

Print signature name: CHARLOTTE WALKER

Position in organisation : ENVIRONMENTAL MANAGER

Company stamp or seal:

KMK Metals Recycling Ltd.
Works: Cappincur Industrial Estate
Daingean Road, Tullamore, Co. Offaly
Tel: 057-9341634 Fax: 057-9322729
E-Mail: info@metalsrecycling.ie

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ANNEX 1 STANDARD FORMS

Standard forms are provided in this section for the recording and presentation of environmental monitoring and site investigation results

TABLE E.1(i) LANDFILL GAS FLARE EMISSIONS TO ATMOSPHERE
Emission Point: THERE ARE NO EMISSIONS TO ATMOSPHERE.

Emission Point Ref. Nº:	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter: Height above Ground(m):	
Date of commencement of emission:	

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Characteristics of Emission :

CO				mg/m^3
Total organic carbon (TOC)				mg/m^3
NOx				mg/Nm^3 0ºC. 3% O_2(Liquid or Gas), 6% O_2(Solid Fuel)
Maximum volume of emission				m^3/hr
Temperature		ºC(max)	ºC(min)	ºC(avg)

(i) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up/shutdown to be included):*

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr

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TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point)

Emission Point Ref. Nº:	
Source of Emission:	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter: Height above Ground(m):	
Date of commencement:	

Characteristics of Emission :

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(i) Volume to be emitted:			
Average/day	m^3/d	Maximum/day	m^3/d
Maximum rate/hour	m^3/h	Min efflux velocity	$m.sec^{-1}$
(ii) Other factors			
Temperature	°C(max)	°C(min)	°C(avg)
For Combustion Sources: Volume terms expressed as : ☐ wet. ☐ dry. _____ $\%O_2$			

(iii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included):*

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr

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TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission (1 table per emission point)

Emission Point Reference Number:_____

Parameter	Prior to treatment[1]				Brief description of treatment	As discharged[1]					
	mg/Nm^3		kg/h			mg/Nm^3		kg/h.		kg/year	
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max

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1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.

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TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor /Fugitive

Emission point Reference Numbers	Description	Emission details[1]				Abatement system employed
		material	mg/Nm$^{3(2)}$	kg/h.	kg/year	

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1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.
2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.

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TABLE E.2(i): EMISSIONS TO SURFACE WATERS
(One page for each emission)

Emission Point: SEE ATTACHMENTS OF APPLICATION

Emission Point Ref. N^{o}:	
Source of Emission:	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Name of receiving waters:	
Flow rate in receiving waters:	_____ $m^3.sec^{-1}$ Dry Weather Flow _____ $m^3.sec^{-1}$ 95%ile flow
Available waste assimilative capacity:	kg/day

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Emission Details:

(i)	Volume to be emitted

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Normal/day	m^3	Maximum/day	m^3
Maximum rate/hour	m^3		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included):*

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr

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TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission (1 table per emission point)

Emission point reference number : _____

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	

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TABLE E.3(i): EMISSIONS TO SEWER (One page for each emission)

Emission Point: THERE ARE NO EMISSIONS TO SEWER.

Emission Point Ref. Nº:	
Location of connection to sewer :	
Grid Ref. (10 digit, 5E,5N):	
Name of sewage undertaker:	

Emission Details:

(i) Volume to be emitted			
Normal/day	m^3	Maximum/day	m^3
Maximum rate/hour	m^3		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included):*

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr

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TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission (1 table per emission point)

Emission point reference number : _____

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	

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TABLE E.4(i): EMISSIONS TO GROUNDWATER (1 Page for each emission point)

Emission Point or Area: THERE ARE NO EMISSIONS TO GROUNDWATER FROM THE FACILITY.

Emission Point/Area Ref. Nº:	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Elevation of discharge: (relative to Ordnance Datum)	
Aquifer classification for receiving groundwater body:	
Groundwater vulnerability assessment (including vulnerability rating):	
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	

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Emission Details:

(i) Volume to be emitted			
Normal/day	m^3	Maximum/day	m^3
Maximum rate/hour	m^3		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included):*

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr

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Table E.5(i): NOISE EMISSIONS - Please refer to Attachment I.6 of application

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure[1] dBA at reference distance	Octave bands (Hz) Sound Pressure[1] Levels dB(unweighted) per band									Impulsive or tonal qualities	Periods of Emission
				31.5	63	125	250	500	1K	2K	4K	8K		

1. For items of plant sound power levels may be used.

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TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : _____

Control[1] parameter	Equipment [2]	Equipment maintenance	Equipment calibration	Equipment back-up

Control[1] parameter	Monitoring to be carried out[3]	Monitoring equipment	Monitoring equipment calibration

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[1] List the operating parameters of the treatment / abatement system which control its function.
[2] List the equipment necessary for the proper function of the abatement / treatment system.
[3] List the monitoring of the control parameter to be carried out.

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TABLE F.2 to F.8 : EMISSIONS MONITORING AND SAMPLING POINTS - (1 table per media)

Emission Point Reference No(s). : **SEE ATTACHMENT F OF APPLICATION**

Parameter	Monitoring frequency	Accessibility of Sampling Points

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TABLE Ff: Fugitive ENVIRONMENT MONITORING AND SAMPLING LOCATIONS (1 table per media)

Monitoring Point Reference No : SEE ATTACHMENT F OF APPLICATION

Parameter	Monitoring frequency	Accessibility of Sampling point

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Table G.1 Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

SEE ATTACHMENT H OF APPLICATION

Ref. Nº or Code	Material/ Substance[1]	CAS Number	Danger[2] Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R[3] - Phrase	S[3] - Phrase

Notes: 1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.
2. c.f. Article 2(2) of SI Nº 77/94
3. c.f. Schedules 2 and 3 of SI Nº 77/94

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TABLE H.1(i): WASTE - Hazardous Waste Recovery/Disposal

SEE ATTACHMENT H OF APPLICATION

Waste material	EWC Code	Main source[1]	Quantity		On-site Recovery/Disposal (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m^3 / month			

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[1] A reference should be made to the main activity / process for each waste.

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TABLE H.1(ii) WASTE - Other Waste Recovery/Disposal

SEE ATTACHMENT H OF APPLICATION

Waste material	EWC Code	Main source[1]	Quantity		On-site recovery/disposal[2] (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m^3 / month			

1 A reference should be made to the main activity/ process for each waste.
2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1

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Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: _____

Parameter	Results (mg/l)				Sampling method[2] (grab, drift etc.)	Normal Analytical Range[2]	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH_4-N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							

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Surface Water Quality (Sheet 2 of 2)

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni							
Potassium K							
Sodium Na							
Sulphate SO_4							
Zinc Zn							
Total alkalinity (as $CaCO_3$)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Nitrite NO_2							
Nitrate NO_3							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Phosphate PO_4							

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Table I.4(i) GROUNDWATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference:

Parameter	Results (mg/l)				Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH_4-N							
Dissolved oxygen DO							
Residue on evaporation (180°C)							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Cyanide Cn, total							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

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GROUNDWATER QUALITY (SHEET 2 OF 2)

Parameter	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Phosphate PO_4							
Sulphate SO_4							
Zinc Zn							
Total alkalinity (as $CaCO_3$)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Arsenic As							
Barium Ba							
Boron B							
Fluoride F							
Phenol							
Phosphorus P							
Selenium Se							
Silver Ag							
Nitrite NO_2							
Nitrate NO_3							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							

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Table I.6(i) Ambient Noise Assessment

Third Octave analysis for noise emissions should be used to determine tonal noises

	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	$L(A)_{eq}$	$L(A)_{10}$	$L(A)_{90}$
1. SITE BOUNDARY				
Location 1:				
Location 2:				
Location 3:				
Location 4:				
2. NOISE SENSITIVE LOCATIONS				
Location 1:				
Location 2:				
Location 3:				
Location 4:				

NOTE: All locations should be identified on accompanying drawings.

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ATTACHMENT A
NON TECHNICAL SUMMARY

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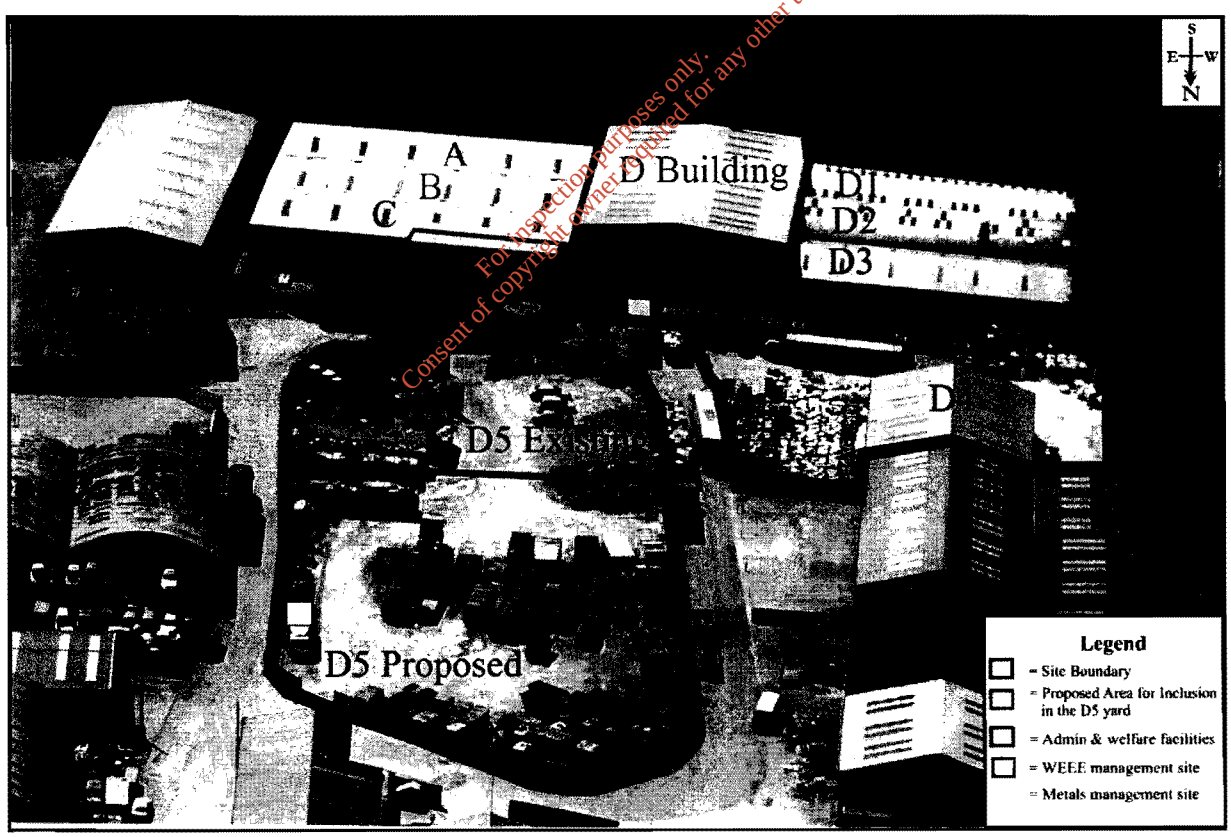
General Description of the proposed development:

The KMK Metals Recycling Ltd facility is located in Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly (Grid Ref: E635890 N725043) and illustrated on the locations maps; Map A and Map A.1. The facility operates as a hazardous and non-hazardous metals waste transfer station specialising in metallic and WEEE wastes. It is the intention of KMK Metals Recycling Ltd to incorporate the remaining yard area beside the existing D5 yard and to increase the permitted annual tonnage for waste acceptance at the facility from 20,000tonnes to a maximum of 35,000tonnes into the remit of the existing waste license ref: W0113-03. The proposed area to be included in the revision of the existing D5 yard is to include an additional piece of industrial land (2,913m^2) which will be developed on a phased basis. This new area of the site will be renamed as E area. A photo below illustrates the existing site including the area proposed for inclusion in the new waste licence i.e. D5 existing and D5 proposed and to be renamed as E area of the new waste licence subject to grant of same. In addition, there will be roof/canopies erected at either side of D4 building (planning permission granted 04/09/09 and ref; 09/311) and a roof structure is proposed for D3X area of the site.



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The new proposed E area will be used as follows:

- Car parking for employees, visitors and KMK waste collection vehicles
- Temporary storage of WEEE waste in approved receptacles/skips/containers during peak waste acceptance times. The quantities to be stored will be appropriate to the nature of an overflow waste storage area.
- It is proposed to construct a 1,152m^2 building structure within E area as per layout drawing (ref; CY-02) attached to this application. The purpose of this building will be for WEEE waste acceptance prior to on-wards processing at D areas of the existing site and also for temporary storage of pre-treated WEEE prior to export from KMK Metals.
- Storage of empty receptacles/skips/containers used by KMK Metals for off-site usage.
- Waste collection vehicle marshalling and control.
- Weighbridge usage.

The development of E area will be conducted on a phased basis as follows;

Phase 1 – Surface infrastructure for; staff and visitor car park (tarmac type), access route (concrete road) through E area, weighbridge installation and some surfacing of remaining E area (concrete type). Install interceptor unit for surface water run-off from surfaced areas.

Phase 2 – Repairs, maintenance and modifications to the palisade fence boundary of E area including new sliding entrance gates.

Phase 3 – Construction of the proposed new building at E area as per layout plan CY-02.

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KMK Metals Recycling Ltd proposes to increase the capacity of the overall site from 20,000 tonnes to a maximum of 35,000 tonnes per year, of metals and waste electrical and electronic equipment (WEEE). The proposed additional waste tonnage is to be the same wastes in type and description to that currently acceptable in the waste licence. In light of the 'Duty and Stand-by Capacity Report' submitted to the Agency in 2009, this report concluded that there is adequate storage facilities at the site for additional tonnages of WEEE in a safe and secure manner.

In summary, the revised facility will promote the recovery and recycling of hazardous and non hazardous wastes. It is envisaged that the facility will help to;

- improve the nationwide recycling/recovery infrastructure
- reduce the reliance on direct export of WEEE from sources (civic amenity sites and commercial sites)
- assist in the pre-treatment of WEEE (removal of hazardous components and sorting WEEE by categories) which is necessary for efficient and appropriate export.

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Hence the proposed changes to the facility will thereby provide a more sustainable solution to waste management within Ireland.

Site location and layout maps are shown in attachment B2 of application.

12. (1) Subject to sub-article (2), in the case of an application for a waste licence, the application shall -

(a) Give the name, address and, where applicable, any telephone number and telefax number of the applicant (and, if different, the operator of the facility concerned), the address to which correspondence relating to the application should be sent and, if the applicant or operator is a body corporate, the address of its registered office or principal office,

This application is being made for KMK Metals Recycling Ltd, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly. This facility will be run, owned and operated by KMK Metals Recycling Ltd. KMK Metals Recycling Ltd is a registered company reference number: 67176 with a company address at same as above. ENVIROCO Management Ltd. Bow House, O'Moore Street, Tullamore, Co Offaly have carried out this application in conjunction with the applicant.

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(b) Give the name of the planning authority in whose functional area the relevant activity is or will be carried on,

The existing waste management site is subject to Offaly County Council's planning authority.

(c) In the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled,

There will be no changes from the previous waste licence W0113-03 and therefore no effluent will be discharged to sewer of a sanitary authority or other body.

The proposed surface water discharge impacts from the proposed E area will be as follows:

- Surface water run-off from the tarmac and concrete surface areas of the site will be directed via gullies to a proposed interceptor unit prior to connection to the existing shared drain in the industrial estate which serves to remove surface water run-off from a number of commercial businesses. KMK Metals proposes to develop E area by means of

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weighbridge, fencing, entrance gates etc. In addition, a building structure will be installed to cover a section of E where incoming WEEE may be stored temporarily prior to movement to existing process areas within the facility. Drainage from the proposed building roof will be diverted to the existing drainage infrastructure directly and thus by-pass the proposed interceptor unit.

(d) Give the location or postal address (including, where appropriate, the name of the townland or townlands) and the National Grid reference of the facility or premises to which the application relates,

The facility is located in Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly, this can be found on an A3 1:2,500 Ordnance Survey Map at grid reference E635890 N725043, see Map A.1 attached.

(e) Describe the nature of the facility or premises concerned, including the proposed capacity of the facility or premises and, in the case of an application in respect of the landfill of waste, the requirements specified in Annex 1 of the Landfill Directive,

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KMK Metals Recycling Ltd currently operates a hazardous and non hazardous metal waste and electrical and electronic waste transfer facility and is EPA licensed ref W0113-03. This facility is currently licensed to handle 20,000 tonnes of waste. Collected waste arrives as either metallic materials or WEEE materials. All metallic based wastes are accepted, sorted and stored inside a designated building prior to off-site export for further recovery. All incoming WEEE materials are pre-treated. Pre-treatment consists of sorting the WEEE materials into the various categories e.g. large household appliances, small household appliances, TVs and monitors, fridges & freezers etc. In addition, batteries are removed from the WEEE (e.g. power tools have batteries removed). The small household appliances are baled to increase bulk storage and removal efficiency. The resultant WEEE is exported in a safe and fully authorised manner to approved recovery outlets in UK and Europe.

As part of future proposed site operations, KMK Metals Recycling Ltd proposes to accept and process up to 35,000 tonnes per annum of metallic and WEEE. It is expected that approximately 80% of the waste intake figure will account for WEEE and the remaining 20% of incoming waste will be metallic based materials.

The only waste to be sent to landfill from the facility is canteen waste (wheelie bin provider) and minimal amounts of floor sweepings at the WEEE process buildings.

(f) Specify the class or classes of activity concerned, in accordance with the Third and Fourth Schedules of the Act and, in the case of an application in respect of the landfill of waste, specify the class of landfill in accordance with Article 4 of the Landfill Directive.

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There are no changes planned from the previous waste licence W0113-03 and therefore the types of activity to be carried out at the revised site remain the same:

The principal class of activity to which the licence application relates to is;

Class 13 of the Fourth Schedule (Waste Recovery Activities) of the Waste Management Acts (1996-2008): Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Non Technical Description: Temporary storage and processing of waste materials at the facility prior to removal off site for further metals recovery at an alternative facility.

Consequently, other activities carried out on site include;

Class 3 of the Fourth Schedule (Waste Recovery Activities) of the Waste Management Acts (1996-2008): Recycling or reclamation of metals and metal compounds.

Non Technical Description: Collection, acceptance and processing of metallic wastes (hazardous and non hazardous including waste electrical and electronic equipment, portable batteries and liquids containing dissolved metals) as part of waste loads arriving at the facility prior to removal off site for recycling or recovery.

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Class 4 of the Fourth Schedule (Waste Recovery Activities) of the Waste Management Acts (1996-2008): Recycling or reclamation of other inorganic materials.

Non Technical Description: Acceptance of plastic components and packaging as part of incoming waste loads.

Class 6 of the Fourth Schedule (Waste Recovery Activities) of the Waste Management Acts (1996-2008): Recovery of components used for pollution abatement.

Non Technical Description: acceptance of auto catalysts, filters etc.

Class 7 of the Fourth Schedule (Waste Recovery Activities) of the Waste Management Acts (1996-2008): Recovery of components from catalysts.

Non Technical Description: Recovery of metals from catalysts in manufacturing processes (this applied to liquids and solids)

Class 11 of the Fourth Schedule (Waste Recovery Activities) of the Waste Management Acts (1996-2008): Use of waste obtained from any activity referred to in a preceding paragraph of this schedule.

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Non Technical Description: Re-use of some waste materials e.g. metal drums, IBCs, cardboard boxes and textile IBC bulk bags for waste receptacles.

Class 12 of the Fourth Schedule (Waste Recovery Activities) of the Waste Management Acts (1996-2008): Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.

Non Technical Description: Trading activities in waste management.

(g) Specify, by reference to the relevant European Waste Catalogue codes as presented by Commission Decision 2000/532/EC of 3 May 2000, the quantity and nature of the waste or wastes which will be treated, recovered or disposed of,

There are no changes planned to the nature and types of waste to be accepted and handled at the facility from the existing waste licence ref: W0113-03

However, it is intended to increase the quantities from the existing 20,000 to 35,000 tonnes maximum for waste acceptance per year. The capacity of the existing buildings, processing areas and proposed additional land will be more than adequate to cater for this proposed increase in tonnage.

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(h) Specify the raw and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity,

There will be no changes or additions to the types of raw materials, energy and fuels used at the revised site.

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(i) Describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems and operating procedures for the activity,

There will be no significant changes from the existing waste licence W0113-03 regarding the type of operations at the facility i.e. acceptance and handling of non hazardous and hazardous metallic and WEEE waste items for recovery purposes. A proposed additional process will be portable household battery acceptance and sorting prior to export for further recovery. This initiative being conducted by KMK Metals will have the effect of removal of these batteries from the waste streams being currently landfilled in Ireland.

The proposed changes to hours of waste acceptance and operation of the facility will be 06:00 to 22:00 Monday to Friday inclusive and 06:00 to 13:00 on Saturdays. The proposed hours as detailed above will provide for adequate flexibility of activities in the event of any contingency plans at the site where additional time is required for specific waste handling projects.

Future operations proposed for E area will be;

- Car parking, WEEE acceptance, weighbridge usage, temporary storage of incoming WEEE and outgoing WEEE for export, vehicle marshalling.

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(j) Provide information for the purpose of enabling the Agency to make a determination in relation to the matters specified in paragraphs (a) to (i) of section 40(4) of the Act,

(a) Environmental emissions (noise, dust, surface water, groundwater) from the operation of this facility by KMK Metals Recycling Ltd are monitored as part of the existing waste licence W0113-03. These emissions do not result in the contravention of any relevant standard. The proposed E area within the waste licence boundary will not result in significant or otherwise adverse emissions to environment.

(b) Environmental pollution will not occur for the following reasons:

The vast majority of all waste acceptance and handling will occur indoors or under roof where appropriate.

All on-site domestic effluent is treated by a proprietary treatment system before discharge to percolation.

All surface water run-off from existing outside yard areas is treated by interceptors before entering a land drain.

The Environmental Management System (EMS) for the site is effective at controlling all potential emissions from the working facility.

(c) The Best Available Techniques (BAT) will be used to prevent, eliminate and control emissions from the activity concerned. The activity is consistent with the objectives of the relevant waste management plan.

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(d) KMK Metals Recycling Ltd are fit and proper to hold a waste licence as defined by the EPA and an existing waste license is in place at the site ref: W0113-03.

(e) In the event of decommissioning the facility, KMK Metals Recycling Ltd will follow the procedures as defined under the granted licence and specified in the Decommissioning Plan which has been submitted to the Agency as part of compliance with license W0113-03. A financial bond will be entered to ensure funds will be available to carry out such works as are needed.

(f) Vehicles and machinery will be regularly maintained to prevent wear and tear that can lead to increased energy consumption.

(g) Noise emissions from the site are not deemed to have a nuisance effect on the surrounding environment. The future developments of this facility are not deemed to pose any notable increase in noise emissions at Noise Sensitive Locations. The annual noise monitoring will occur as per the conditions of the license, in the event of a complaint further noise monitoring will be conducted at the site.

(h) There are a number of structures on site to prevent accidents occurring which will have an effect on the environment. In the event of an accident, procedures have been put in place to limit the consequences to the environment. Details of these procedures are contained in Attachment J. Details of each contingency are dealt with in more detail in Attachment J. Measures to decommissioning the site in the event of the cessation of all or part of the activity are described in Attachment K.

(k) Give particulars of the source, location, nature, composition, quantity, level and rate of emissions arising from the activity and, where relevant, the period or periods during which such emissions are made or are to be made,

There are no changes planned here from the existing waste licence W0113-03 with the exception of inclusion of additional monitoring locations for on-going dust and noise.

Water and wastewater stream flows are outlined in section 12.(1).c

(l) Give details, and an assessment of the effects, of any existing or proposed emissions on the environment, including any environmental medium other than that into which the emissions are, or are to be, made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit or abate such emissions,

Dust, noise, surface water and groundwater monitoring is carried out at the site as part of the existing waste licence ref: W0113-03.

Potential dust and noise emissions from the proposed E area are not expected to cause nuisance conditions on-site or beyond the site boundaries. Control measures will further ensure this such as processing of waste inside buildings, only temporary outside storage of waste prior to processing and/or export from the facility. Good house keeping measures will also ensure that dust and litter generation is eliminated or kept to a minimum.

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All storm water runoff from the existing site is diverted through the two existing surface water interceptors prior to discharge to the existing land drain west of the site. Run-off from the proposed surfaced areas of E will be directed via gullies to a proposed interceptor unit prior to connection to the existing shared drain in the industrial estate which serves to remove surface water run-off from a number of commercial businesses. KMK Metals proposes to develop E area by means of weighbridge, fencing, entrance gates etc. In addition, a building structure will be installed to cover a section of E where incoming WEEE may be stored temporarily prior to movement to existing process areas within the facility. Drainage from the proposed building roof will be diverted to the existing drainage infrastructure directly and thus by-pass the proposed interceptor unit. The proposed new E area in this application will be used for temporary storage of WEEE contained within their respective receptacles/skips during peak times of waste acceptance prior to processing at existing locations within the facility. Future development of E area will be conducted on a phased basis and priority given to operational needs and environmental protection as illustrated in the layout drawing (ref; CY-02) attached to this review application.

There will be no discharges to sewer from the site. All domestic sewage is treated on-site by the waste water treatment plant (WWTP) (e.g. Biocycle type unit) with final treated effluent being discharged to soak-away. The proposed addition of waste acceptance tonnage and lands to this site will not affect the population usage of the WWTP and will not impact on its treatment capability.

KMK Metals have been advised by Offaly County Council that as part of future plans for development of Cappincur Industrial Estate, a foul sewer network will be installed and hence will be available to all occupants of the estate. KMK Metals will avail of this improvement to foul services once available.

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No other emissions are expected from the facility.

(m) Identify monitoring and sampling points and indicate proposed arrangements for the monitoring of emissions and the environmental consequences of any such emissions,

Sampling/monitoring points will remain at the site as is the present case. There will be additional locations added to the site at E area in relation to Dust and Noise emissions only.

(n) Describe any proposed arrangements for the prevention, minimisation and recovery of waste arising from the activity concerned,

There are no changes planned here and all items remain unchanged from the existing waste license W0113-03.

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(o) Describe any proposed arrangements for the off-site treatment or disposal of solid or liquid wastes,

There are no changes planned here and all items remain unchanged from the existing waste license W0113-03.

(p) Describe the existing or proposed measures, including emergency procedures, to prevent unauthorised or unexpected emissions and minimise the impact on the environment of any such emissions,

Explosions, fire, traffic accidents and spillages are potential emergency situations that could give rise to the release of unauthorised or unexpected emissions from the site.

These emergency situations will be handled as outlined in the existing company Emergency Response Procedure (ERP) as part of ISO 14001. Therefore the ERP in force at the existing site (W0113-03) will be modified to take into account the proposed E area of the site and the proposed increase in tonnages. The inclusion of E will have a positive effect on traffic management at the facility by way of direct access to the facility and reduce heavy vehicle traffic exposure on the public road in the estate.

(q) Describe the proposed measures for the closure, restoration, remediation or aftercare of the facility concerned, after the cessation of the activity in question,

This site will not require remediation. The concrete yard and flooring system will inhibit the entrance of contaminants into the underlying soil and groundwater. Interceptor units and drainage gullies will collect potential pollutants before they can reach land drains in the area.

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At present it is the intention of the KMK Metals Recycling Ltd to operate this facility for the foreseeable future. Should part of the activity cease to operate, a review of the licence or technical amendment submission with the EPA will be arranged. Decommissioned equipment will be removed from the site to an appropriate disposal or recovery facility.

Should all activities cease to be at the facility, KMK Metals Recycling Ltd will enter into a review of the waste licence with the EPA in order to surrender the waste licence. The following actions will be carried out to ensure the site is free of contamination and of continuing emissions:

- All waste at the facility will be sent off-site for appropriate recycling/disposal at alternative licensed facilities.
- All Waste Handling and storage equipment and vehicles will be removed from the site either by selling them and / or decontamination where necessary, dismantling them and recovering them by an approved metal recycler.
- All fuel tanks and bunds will be decommissioned.
- The interceptors will be examined and cleaned out by approved contractors.

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- The gates to the facility will be locked and security measures implemented to prevent scavenging on site after it is decommissioned.
- Ongoing monitoring shall be carried out by an approved EPA consultancy and records of all monitoring shall be maintained after the closure process.
- A Clean Closure verification audit shall be completed by an approved EPA consultancy which will confirm that clean closure has been achieved by the facility. Details of this audit shall then submitted to the Agency.

This decommissioning process will make the site a safe, usable Brownfield site appropriate for any commercial activity within the confines of the existing industrial estate.

A Decommissioning Plan for the facility has been submitted to the Agency along with and Environmental Liabilities Risk Assessment (ELRA) in compliance with Conditions 10.2.1 and 12.3.2 of the facilities waste licence; W0113-03. Any decommissioning procedures will be agreed with the EPA in advance should all or part of the activity cease to operate.

To financially underwrite the decommissioning of the activities on the site KMK Metals Recycling Ltd has a closure bond with Offaly County Council for €64,000 for these eventualities. This bond has been re-assessed as part of the Environmental Liabilities Risk Assessment (ELRA) methodology and subsequently will be arranged with the EPA as the appointed site regulator.

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(r) In the case of an application in respect of the landfilling of waste, give particulars of -

No waste disposal will be occurring on site.

(i) Such financial provision as is proposed to be made by the applicant, having regard to the provisions of Articles (7)(i) and (8)(a)(iv) of the Landfill Directive and section 53(1) of the Act, and

No disposal of waste is to occur on site.

(ii) Such charges as are proposed or made, having regard to the requirements of section 53A of the Act,

No disposal of waste is to occur on site.

(s) State whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2000 (S.I. No. 476 of 2000) apply,

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No dangerous substances defined as highly flammable or explosive liquids are to be collected, treated or stored on site. Only hazardous metallic and/or WEEE wastes may be found during normal operations as part of waste loads being accepted.

The European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2000 do not apply to this facility.

(t) In the case of an activity which gives rise or could give rise to an emission into an aquifer containing the List I and II substances specified in the Annex to Council Directive 80/68/EEC of 17 December 1979, describe the existing or proposed arrangements necessary to give effect to Articles 3, 4, 5, 6, 7, 8, 9 and 10 of the aforementioned Council Directive,

No list I or list II substances are to be accepted or treated on site.

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ATTACHMENT B
GENERAL

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B.1 Applicants Details

KMK Metals Recycling Limited, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly. Current Waste Licence Ref: W0113-03.

B.1.1 Company Certificate of Incorporation

No changes proposed here for the current licensee.

B.1.2 Company Registration Number:

The company registration number is 67176

B.1.3 List of Company Directors

Mr Kurt M Kyck - Managing Director
Ms Edeltraud Kloewer-Kyck – Financial Director

B.1.4 Site Ownership Details

Please refer to Map B.1.4 in application for ownership details of the site.

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B.2 Location of the Activity

Name and location details of the waste management facility are as follows:

KMK Metals Recycling Ltd.
Cappincur Industrial Estate,
Daingean Road,
Tullamore,
Co. Offaly

National Grid Reference Number E635890 N725043 (See Map B.2.1)

B.2.1 Site Plan

A copy of the Site Plan (Site Layout Plan) is included in the Maps Folder. Additional land will be included within the licence boundary i.e. D5 existing and D5 proposed and to be renamed as E area as illustrated in the layout plan.

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B.2.2 Site Location Map

A copy of the Site Location Map (See Map B.2.1) is included in the Maps Folder.

B.2.3 Services Plan

There will be no changes on services from waste licence W0113-03.

Additional land will be included within the licence boundary i.e. D5 existing and D5 proposed and to be renamed as E area. The E area will be used as follows:

- Car parking for employees, visitors and KMK waste collection vehicles
- Temporary storage of WEEE waste in approved receptacles/skips/containers during peak waste acceptance times. The quantities to be stored will be appropriate to the nature of an overflow waste storage area.
- It is proposed to construct a 1,152m^2 building structure within E area as per layout drawing (ref; CY-02) attached to this application. The purpose of this building will be for WEEE waste acceptance prior to on-wards processing at D areas of the existing site and also for temporary storage of pre-treated WEEE prior to export from KMK Metals.
- Storage of empty receptacles/skips/containers used by KMK Metals for off-site usage.
- Waste collection vehicle marshalling and control.
- Weighbridge usage.

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B.3 Planning Authority

Offaly County Council

B.3.1 Planning Permission Details

KMK Metals Recycling Ltd has a waste management facility in the functional area of
Offaly County Council,
County Hall,
Charleville Road,
Tullamore,
Co Offaly.

No changes from the previous waste licence W0113-03 with the following exception:

Planning permission is being applied for the development of E area.
Planning permission granted for roof structures to existing D4 building ref: 09/311.
See Appendix 1 for copies of recent planning permission.

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See Appendix 2 for copy of letter as received from the planning section for Offaly Co Co where they have been informed of the waste licence review application and EIS.

B.3.2 Waste Licence Details

There is an existing waste licence ref: W0113-03 at the facility.

B.3.3 Other Details

Not applicable.

B.4 Sanitary Authority

There will be no changes to the previous waste licence site W0113-03 apart from the addition of E area to the site footprint.

The proposed surface water discharge impacts from the E area will be as follows:

- Surface water run-off from the tarmac and concrete surface areas will be directed via gullies to a proposed interceptor unit prior to connection to the existing shared drain in the industrial estate which serves to remove surface water run-off from a number of commercial businesses. KMK Metals proposes to develop E area by means of weighbridge, fencing, entrance gates etc. In addition, a building structure will be installed to cover a section of E where incoming WEEE may be stored temporarily prior to movement to existing process areas within the facility. Drainage from the proposed building roof will be diverted to the existing drainage infrastructure directly and thus by-pass the proposed interceptor unit.

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B.5 Other Authorities

Not Applicable.

B.6 Notices and Advertisements

The following are the text of the Newspaper Notice and the Site Notice as required under Articles 6 and 7 of the Waste Management (Licensing) Regulations 2004. A full copy of the Newspaper Notice is included in Appendix 3. Refer to Map B.6.1 Site Location Maps, which indicates the position of the site notice.

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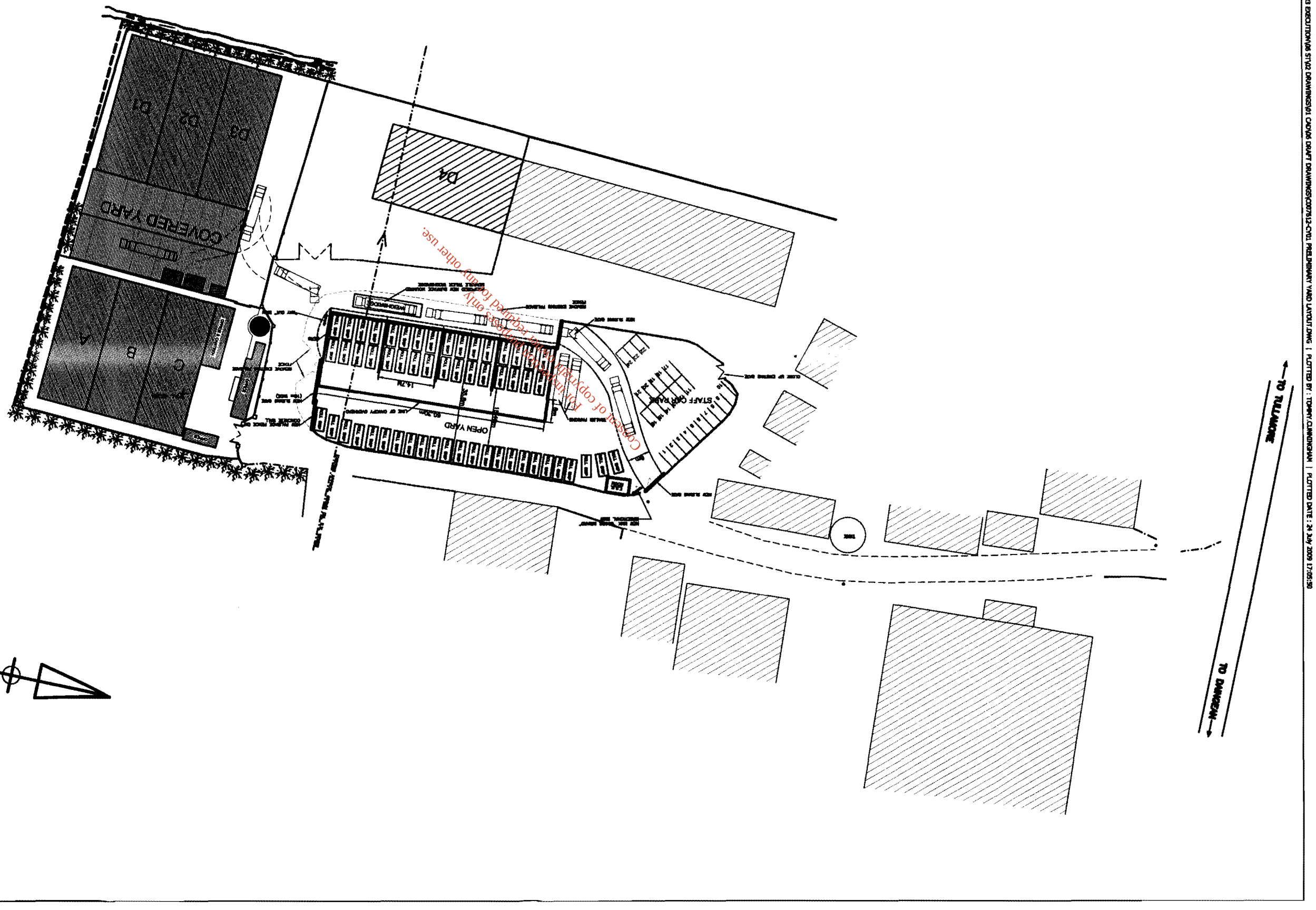

REV	DESCRIPTION	BY	CHK	APP	DATE

KMK METALS RECYCLING LTD.
CAPPINCUR INDUSTRIAL ESTATE,
DAINGEAN ROAD,
TULLAMORE,
CO. OFFALY

OLD BRIDGE HOUSE
STRAND STREET
ATTANONE
CO. WESTMEATH

TEL: +353 (0)90 647 4284
FAX: +353 (0)90 647 8422
e-mail: admin@wg.com

Project:
DEVELOPMENT OF MIDDLE YARD

Drawing Title:
PROPOSED LAYOUT PLAN
OPTION NO. 1

Scale @ A1	Drawn	Date	Checked	Date	Approved	Date
1:500	T.C.	JULY 2009				

Project No.	Office	Type	Drawing No.	Revision
06-055	1901	C&S	CY-02	

WYG Group Ltd.

DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

For use only as required for planning purposes. Copyright of copyright holder. Not to be copied for other use.

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FILENAME : P:\CO05\12 WMK - DEVELOPMENT OF MIDDLE YARD\DP-03 EXECUTION\06 ST\02 DRAWINGS\01 CAD\06 DRAFT DRAWINGS\CO05\12-CY-01 PRELIMINARY YARD LAYOUT.DWG | PLOTTED BY : TOMMY.CUNNINGHAM | PLOTTED DATE : 24 July 2009 17:05:50

B.6.1 Newspaper Notice

Application to the Environmental Protection Agency for the Review of a Waste Licence.

Notice is hereby given in accordance with the provisions of the Waste Management Acts 1996 to 2008, and the Waste Management (licensing) Regulations, 2004 that KMK Metals Recycling Ltd, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly will apply to the Environmental Protection Agency (EPA), Johnstown Castle Estate, County Wexford for a Review of their Waste Licence. The licence review application relates to the operation of a hazardous and non hazardous metal waste transfer facility located at Cappincur Industrial Estate, Daingean Road, Tullamore, Co Offaly (National Grid Reference: E635890 N725043) The licence review is required for the purpose of increasing the current waste acceptance of 20,000 tonnes per year to a maximum of 35,000 tonnes per year and to incorporate additional land area within the waste licence site.

The principal class of activity to be carried out by KMK Metals Recycling Ltd as defined by the Waste Management Act 1996 to 2008 is;
Class 13 of the Fourth Schedule: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
Other activities to be carried out on site include;
Class 3 of the Fourth Schedule: Recycling or reclamation of metals and metal compounds.

Class 4 of the Fourth Schedule: Recycling or reclamation of other inorganic materials.

Class 6 of the Fourth Schedule: Recovery of components used for pollution abatement.

Class 7 of the Fourth Schedule: Recovery of components from catalysts

Class 11 of the Fourth Schedule: Use of waste obtained from any activity referred to in a preceding paragraph of this schedule.

Class 12 of the Fourth Schedule: Exchange of waste for submission to any activity referred to in a preceding paragraph of this schedule.

An Environmental Impact Statement (EIS) will be submitted to the Agency along with this waste licence review application.

A copy of the waste licence review application, the Environmental Impact Statement and further information relating to the review as may be furnished by the Agency in the course of the Agency's consideration of the application, will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the offices of the Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford during office hours.

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B.6.2. Site Notice

Application to the Environmental Protection Agency for the Review of a Waste Licence.

Notice is hereby given in accordance with the provisions of the Waste Management Acts 1996 to 2008, and the Waste Management (licensing) Regulations, 2004 that KMK Metals Recycling Ltd, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly will apply to the Environmental Protection Agency (EPA), Johnstown Castle Estate, County Wexford for a Review of their Waste Licence. The licence review application relates to the operation of a hazardous and non hazardous metal waste transfer facility located at Cappincur Industrial Estate, Daingean Road, Tullamore, Co Offaly (National Grid Reference: E635890 N725043) The licence review is required for the purpose of increasing the current waste acceptance of 20,000 tonnes per year to a maximum of 35,000 tonnes per year and to incorporate additional land area within the waste licence site.

The principal class of activity to be carried out by KMK Metals Recycling Ltd as defined by the Waste Management Act 1996 to 2008 is;
Class 13 of the Fourth Schedule: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
Other activities to be carried out on site include;
Class 3 of the Fourth Schedule: Recycling or reclamation of metals and metal compounds.

Class 4 of the Fourth Schedule: Recycling or reclamation of other inorganic materials.

Class 6 of the Fourth Schedule: Recovery of components used for pollution abatement.

Class 7 of the Fourth Schedule: Recovery of components from catalysts

Class 11 of the Fourth Schedule: Use of waste obtained from any activity referred to in a preceding paragraph of this schedule.

Class 12 of the Fourth Schedule: Exchange of waste for submission to any activity referred to in a preceding paragraph of this schedule.

An Environmental Impact Statement (EIS) will be submitted to the Agency along with this waste licence review application.

A copy of the waste licence review application, the Environmental Impact Statement and further information relating to the review as may be furnished by the Agency in the course of the Agency's consideration of the application, will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the offices of the Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford during office hours.

Signed: _____
Niall Nally (Agent, ENVIROCO Management Ltd, O'Moore St, Tullamore)
Date: 13th October 2009

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Application to the Environmental Protection Agency for the Review of a Waste Licence.

Notice is hereby given in accordance with the provisions of the Waste Management Acts 1996 to 2008, and the Waste Management (licensing) Regulations, 2004 that KMK Metals Recycling Ltd, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly will apply to the Environmental Protection Agency (EPA), Johnstown Castle Estate, County Wexford for a Review of their Waste Licence. The licence review application relates to the operation of a hazardous and non hazardous metal waste transfer facility located at Cappincur Industrial Estate, Daingean Road, Tullamore, Co Offaly (National Grid Reference: E635890 N725043) The licence review is required for the purpose of increasing the current waste acceptance of 20,000 tonnes per year to a maximum of 35,000 tonnes per year and to incorporate additional land area within the waste licence site.

The principal class of activity to be carried out by KMK Metals Recycling Ltd as defined by the Waste Management Act 1996 to 2008 is;
Class 13 of the Fourth Schedule: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
Other activities to be carried out on site include;
Class 3 of the Fourth Schedule: Recycling or reclamation of metals and metal compounds.

Class 4 of the Fourth Schedule: Recycling or reclamation of other inorganic materials.

Class 6 of the Fourth Schedule: Recovery of components used for pollution abatement.

Class 7 of the Fourth Schedule: Recovery of components from catalysts

Class 11 of the Fourth Schedule: Use of waste obtained from any activity referred to in a preceding paragraph of this schedule.

Class 12 of the Fourth Schedule: Exchange of waste for submission to any activity referred to in a preceding paragraph of this schedule.

An Environmental Impact Statement (EIS) will be submitted to the Agency along with this waste licence review application.

A copy of the waste licence review application, the Environmental Impact Statement and further information relating to the review as may be furnished by the Agency in the course of the Agency's consideration of the application, will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the offices of the Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford during office hours.

Signed: Niall Nally

Niall Nally (Agent, ENVIROCO Management Ltd, O'Moore St, Tullamore, Co Offaly)

Date: 13th October 2009

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B.7 Type of Waste Activity

There will be no changes to the types of activity being carried out at the existing waste licence site W0113-03.

Proposed Site Activities to be carried out at E area are as follows:

- Car parking for employees, visitors and KMK waste collection vehicles
- Temporary storage of WEEE waste in approved receptacles/skips/containers during peak waste acceptance times. The quantities to be stored will be appropriate to the nature of an overflow waste storage area.
- It is proposed to construct a 1,152m^2 building structure within E area as per layout drawing (ref; CY-02) attached to this application. The purpose of this building will be for WEEE waste acceptance prior to on-wards processing at D areas of the existing site and also for temporary storage of pre-treated WEEE prior to export from KMK Metals.
- Storage of empty receptacles/skips/containers used by KMK Metals for off-site usage.
- Waste collection vehicle marshalling and control.
- Weighbridge usage.

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This area at present is fully secure with a 2metres high palisade fence surround and will be used only for KMK Metals Recycling Ltd operations.

The development of E area will be conducted on a phased basis as follows;

Phase 1 – Surface infrastructure for; staff and visitor car park (tarmac type), access route (concrete road) through E area, weighbridge installation and some surfacing of remaining E area (concrete type). Install interceptor unit for surface water run-off from surfaced areas.

Phase 2 – Repairs, maintenance and modifications to the palisade fence boundary of E area including new sliding entrance gates.

Phase 3 – Construction of the proposed new building at E area as per layout plan CY-02.

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ATTACHMENT C
MANAGEMENT OF THE INSTALLATION

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C.1 Site Management

C.1.1 Management Responsibility

KMK Metals Recycling Ltd operates an existing efficient waste management business in accordance with proper practices and the existing waste licence (W0113-03). KMK Metals Recycling Ltd also has an Environmental Management System (EMS) accredited to ISO 14001 for the past few years.

All issues relating to the management responsibility and duties of all employees will remain unchanged from the existing waste licence W0113-03.

C.1.2 Staff

No changes planned, please refer to existing waste licence (W0113-03). A most recent summary and company organisation chart is detailed below for KMK Metals Recycling Ltd.

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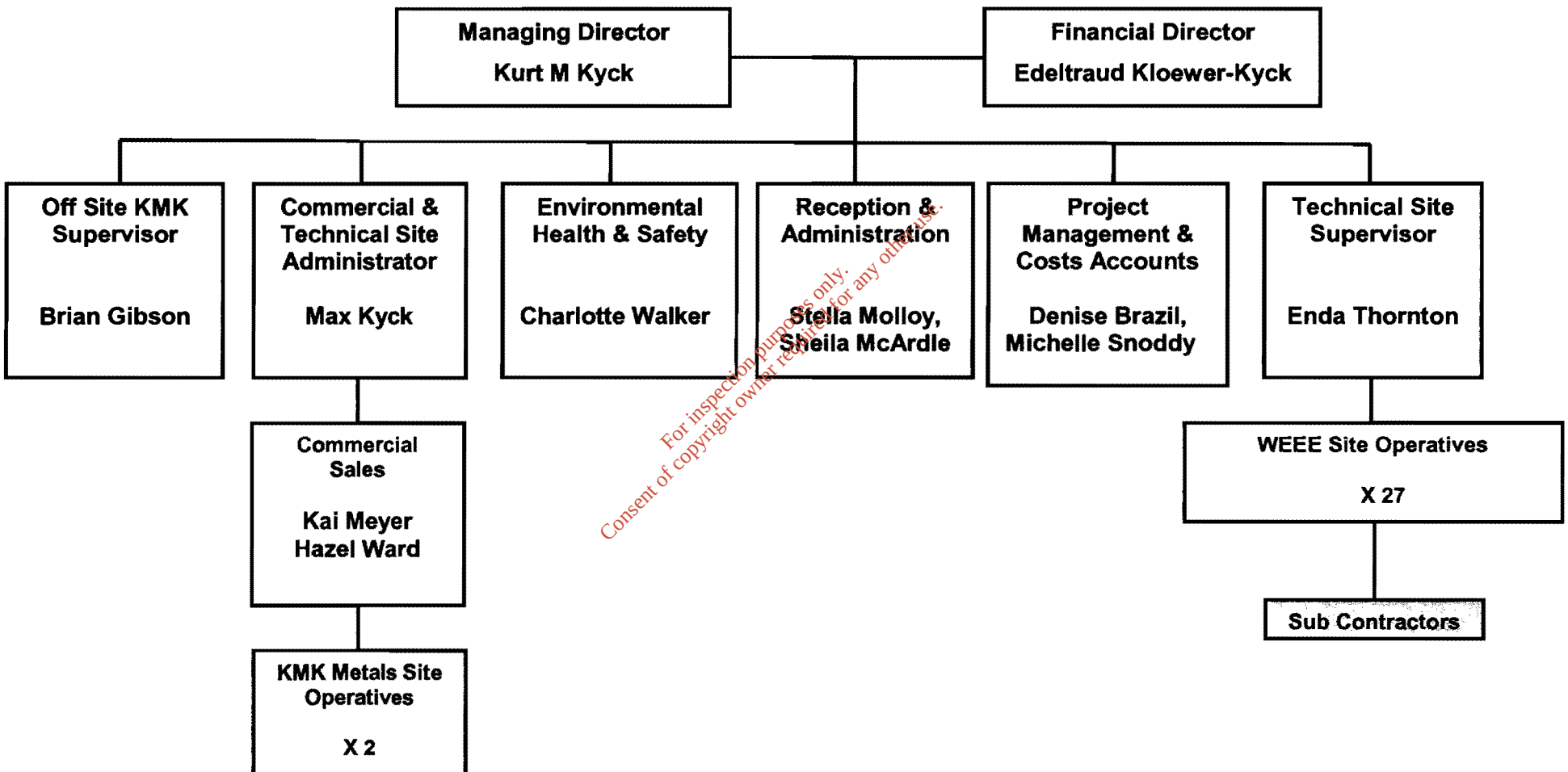
C.1.3 Company Organisation - the management structure at KMK Metals Recycling Ltd is outlined below.



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C.2 Environmental Management System

There are no changes planned from the existing waste licence W0113-03 with the exception of the revision of the D5 area to include additional land (renamed as E area) and increase in tonnages to the site from 20,000tonnes to 35,000tonnes per year, within the structure of the environmental management system.

C.3 Hours of Operation

C.3.1 Proposed Hours of Operation

The proposed hours of operation are 06:00 to 22:00 Monday to Friday inclusive and 06:00 to 13:00 on Saturdays.

C.3.2 Proposed Hours of Waste Acceptance / Handling

As stated above, the proposed hours will be 06:00 to 22:00 Monday to Friday inclusive and 06:00 to 13:00 on Saturdays.

C.3.3 Proposed Hours of any Construction and Development Works at the Facility and Timeframes

The proposed hours of construction and development works at the facility will take place during normal working daytime hours.

C.3.4. Any other relevant Hours of Operation Expected

None expected. The proposed hours as detailed in C.3.1 and C.3.2 above will provide for adequate flexibility of activities in the event of any contingency plans at the site where additional time is required for specific waste handling projects.

C.4. Conditioning Plan

No changes required.

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ATTACHMENT D
INFRASTRUCTURE & OPERATION

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D.1 Infrastructure

D.1.a Site security arrangements including gates and fencing

No changes from the existing waste licence W0113-03 apart from the revision of the D5 area to include additional land (renamed as E area)

The new E area will be fully secure with palisade fence and security sliding gates and separate from any other activity other than that of KMK Metals Recycling Ltd operations.

CCTV has been installed at the facility with a central control and administration point inside the site management office.

D.1.b Design for Site Roads

No changes from the existing waste licence W0113-03 apart from the revision of the D5 area to include additional land (renamed as E area). The new E area will be used for staff and visitor parking, storage of empty cages and trailers/containers for processing/dispatching at the facility and storage of incoming/outgoing WEEE. All incoming waste collection vehicles to the KMK Metals site will be diverted through E area and onto a weighbridge prior to further marshalling to the various respective waste processing areas of the facility.

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D.1.c Design of Hardstanding Areas

No changes from the existing waste licence W0113-03 apart from the revision of the D5 area to include additional land (renamed as E area). E area will be surfaced to requirement and surfacing of tarmac and concrete will be carried out on a phased basis.

D.1.d Plant

No changes planned – please refer to existing waste licence W0113-03.

In relation to new plant, a Battery Sorting Machine specific for the recovery of portable household batteries was installed at the site in February 2009 and training provided to staff by specialists from the Netherlands in March 2009.

D.1.e Wheel Wash

This will not be required due to the nature of waste acceptance i.e. WEEE materials and metallic wastes. There will be no construction or demolition wastes accepted at the site – please refer to existing waste licence W0113-03

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D.1.f Laboratory Facilities

None planned – please refer to existing waste licence W0113-03

D.1.g Design and location of Fuel Storage areas

No changes planned – please refer to existing waste licence W0113-03.

D.1.h Waste Quarantine Areas

No changes planned – please refer to existing waste licence W0113-03.

D.1.i Waste Inspection Areas

No changes planned – please refer to existing waste licence W0113-03.

D.1.j Traffic Control

All waste collection vehicles will be diverted through the new E area of the site prior to marshalling to the various respective waste acceptance and processing areas of the facility. The inclusion of the new E area will improve the overall traffic control at the facility by means of removal of trucks of the public ring road within the industrial estate and allow for traffic queuing where necessary to be confined to E area and not on the public road. E area will also provide for a temporary overflow storage of incoming WEEE and outgoing materials for export.

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D.1.K Sewerage and Surface Water Drainage Infrastructure

In relation to sewerage generation, there are no changes planned – please refer to existing waste licence W0113-03.

In relation to surface water run-off from the new E area, the following will apply;

- Surface water run-off from the tarmac and concrete surface areas will be directed via gullies to a proposed interceptor unit prior to connection to the existing shared drain in the industrial estate which serves to remove surface water run-off from a number of commercial businesses. KMK Metals proposes to develop E area by means of weighbridge, fencing, entrance gates etc. In addition, a building structure will be installed to cover a section of E where incoming WEEE may be stored temporarily prior to movement to existing process areas within the facility. Drainage from the proposed building roof will be diverted to the existing drainage infrastructure directly and thus by-pass the proposed interceptor unit.

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KMK Metals Recycling Ltd wishes to bring to the notice of the Agency that a Sewer Mains is scheduled to be completed as part of ongoing development works of Offaly County Council in conjunction with the construction of the ring road. The Sewer Mains is scheduled for completion in 2010, therefore it is envisaged that KMK Metals will utilize the opportunity to avail of it. The proposed route of the sewer line will be adjacent to E area and parallel with the existing facility entrance.

Table D.1 Estimated Quantities of surface water run-off generated at the new E area.

Source	Estimated Volume/yr.	Make Up	Treatment	Destination
Yard surface water run off in E area	1,803m^3 note 1 (3,481m^2 x 0.518m/yr)	Yard water run-off	Class 1 interceptor followed by shared storm drain servicing commercial businesses in estate	Existing land drain along west boundary
Proposed Roof of E area	597m^3 note 1 (1,152m^2 x 0.518m/yr)	Clean roof water run-off	Down pipe to shared storm drain servicing commercial businesses in estate	Existing land drain along west boundary

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note 1 : Rainfall and evapotranspiration data were sourced from Met Éireann. The closest synoptic station to the site is Mullingar (II), approximately 29km northeast of the site (point to point). The Average Annual Rainfall (AAR) based on a 30 year annual averages from Mullingar weather station is 934.3mm (Table D.2).

Table D.2 Average Rainfall (mm) 1961-1990

Mullingar (II) Synoptic Station -												
Jan	*Feb*	*Mar*	*Apr*	*May*	*Jun*	*July*	*Aug*	*Sept*	*Oct*	*Nov*	*Dec*	*year*
93.1	**66.3**	**72.3**	**59.1**	**72.4**	**66.2**	**61.8**	**81.2**	**85.9**	**94.0**	**88.2**	**93.8**	934.3

The average Potential Evapotranspiration (PE) for Mullingar (II) is 438 mm/yr. Actual Evapotranspiration (AE) is estimated as 416 mm/yr (=0.95 PE). The multiplication factor allows for the reduction in evapotranspiration during periods when a soil moisture deficit is present. The multiplication factor used by the GSI is equivalent to 0.95 (Water Framework Directive, 2004).

The Effective Rainfall (ER) for the site is determined from:

ER = AAR – AE.

= 934.3 mm/yr – 416 mm/yr

ER = 518.3 mm/yr

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The total surface footprint of E area is 4,633m^2. Based on the ER value determined above (518.3mm/yr), the average volume that is available for runoff from the E area is given by:

Site Recharge / Runoff = Area x ER
= 4,633 m^2 * 0.518 m/yr
= 2,400m^3/yr (6.57m^3/d, 0.076 l/s)

KMK Metals Ltd wishes to notify the Agency that the storm drain in the existing D5 area discharges to a shared surface water drainage system which serves many commercial businesses in the industrial estate. Therefore there are a number of discharges to this drainage system prior to the KMK facility discharge and prior to final discharge to the existing land drain along the western boundary of the D4 area. Also it is proposed by KMK Metals Ltd to use the new E area for car parking with a provision for a weighbridge, Class 1 interceptor and for the storage of empty cages and containers and temporary storage of WEEE which require processing/dispatching from the facility.

D.1.L All Other Services

No changes planned – please refer to existing waste licence W0113-03.

D.1.m Plant Sheds, Garages and Equipment Compound

No changes planned – please refer to existing waste licence W0113-03.

D.1.n Site Accommodation

No changes planned – please refer to existing waste licence W0113-03.

D.1.o Fire Control System and Water Supply

No changes planned – please refer to existing waste licence W0113-03.

D.1.p Civic Amenity Sites

No changes planned – please refer to existing waste licence W0113-03

D.1.q Any Other Waste Recovery Infrastructure

Future planned site buildings, equipment and infrastructure includes the following;

- Inclusion new E area within the site boundary.

D.1.r Composting Infrastructure

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Not applicable to this facility.

D.1.s Construction and Demolition Waste Infrastructure

Not applicable to this facility.

D.1.t Incineration Infrastructure

Not applicable to this facility.

D.1.u Any other Infrastructure

None proposed

D.2 Facility Operation

D.2.a Development and Operational History

Please refer to existing waste licence W0113-03. This review application is necessary as part of the further expansion of the activity area at the site and to provide for an increase in the acceptable tonnages for the site.

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D.2.b Processes

Please refer to existing waste licence W0113-03.

The following changes will be incorporated into the new waste licence:

1) A new process in D4 building was commenced in February 2009. This was portable household battery acceptance and sorting prior to export for further metals recovery.

2) The proposed new E area will be used as follows:

- Car parking for employees, visitors and KMK waste collection vehicles
- Temporary storage of WEEE waste in approved receptacles/skips/containers during peak waste acceptance times. The quantities to be stored will be appropriate to the nature of an overflow waste storage area.
- Storage of empty receptacles/skips/containers used by KMK Metals for off-site usage.
- Waste collection vehicle marshalling and control.
- Weighbridge usage.

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ATTACHMENT E
EMISSIONS

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E.1 Emissions to Atmosphere

There will be no emissions to air of environmental significance - please refer to existing waste licence W0113-03.

E.1.1 Fugitive Dusts Emissions

These are currently measured as part of the existing waste licence W0113-03.

The changes proposed for the facility are:

- Revision of the D5 area to be renamed as E area.
- Increase in the annual tonnage acceptance at the facility from 20,000tonnes to a maximum of 35,000tonnes.

Therefore, a revised dust emissions map (Figure E1.1) is included showing the revised locations to reflect the proposed changes above.

Table E.1.1 Dust Emissions

Emission Ref	Location	Composition	Frequency	Sampling proposed
A2-1 A2-2 A2-3 A2-4 A2-5 A2-6	Site boundaries	Windblown particulates	Refer to Schedule E of W0113-03	Refer to Schedule B.5 of W0113-03

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Table E.1.1 above shows the existing dust emission monitoring locations as per waste licence W0113-03, under this review KMK Metals proposes an additional dust emissions monitoring location (A2-7) at the facility to be located at the north western boundary of the new E area. It is expected that dust emissions from the site will be effectively controlled by proposed control measures described in section F.1.1.

E.1.2 Fugitive Odour Emissions

There will be no odour emissions of environmental significance - please refer to existing waste licence W0113-03.

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E.2 Emissions to Surface Water

Two separate treated storm water run-off discharges are currently measured as part of the existing waste licence W0113-03.

The changes proposed for the facility are:

- Revision of D5 area within the facility boundary and renamed as E area. There will be a treated discharge via a proposed new Class 1 interceptor unit from impermeable surfaces at this area.

Table E.2 Surface Water Emissions

Emission Ref	Location	Composition	Frequency	Sampling proposed
CX	Outlet to land drain	Treated surface water run-off	Refer to Schedule C.2.3 of W0113-03	Refer to Schedule C.2.3 of W0113-03
DX	Outlet to land drain	Treated surface water run-off	Refer to Schedule C.2.3 of W0113-03	Refer to Schedule C.2.3 of W0113-03

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It is proposed to monitor emissions from the proposed impermeable surfaces of the new E area downstream of the proposed interceptor unit prior to discharge into the existing drain which is connected to a shared storm water drainage system for other commercial units at the industrial estate. Therefore any sample taken from the sampling chamber downstream of the proposed interceptor at E would be reflective of emissions to surface water from E only.

It is expected that surface water emissions from the site will be effectively controlled by proposed control measures described in section F.1.1.

E.3 Emissions to Sewer

There are no emissions to sewer.

E.4 Emissions to Groundwater

These are currently monitored as part of the existing waste licence W0113-03.

The changes proposed for the facility are:

- Revision of D5 area within the facility boundary and renamed as E area.

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Therefore, there will be no significant changes or otherwise to the existing impacts to groundwater from the license review. Hence, please refer to the existing waste licence W0113-32 for emissions to groundwater information.

E.5 Noise Emissions

These are currently measured as part of the existing waste licence W0113-03.

The changes proposed for the facility are:

- Revision of D5 area within the facility boundary and renamed as E area.

Therefore, a revised noise emissions map (Figure E.1.1) is included showing the revised locations to reflect the proposed changes above.

Table E.5 Noise Emissions

Emission Ref	Location	Composition	Frequency	Sampling proposed
NE1, NE2, NE3, NE4, NE5, NE6	Site boundary locations	Noise from site activities	Refer to Schedule C.5 of W0113-03	Refer to Schedule C.5 of W0113-03

Table E.5 above shows the existing noise monitoring locations and references as per waste licence W0113-03. Under the review KMK Metals propose two additional noise emissions monitoring locations at the facility (NE7 & NE8) to be located at the northwestern and northeastern boundaries of the new E area. As stated in F.1.3 the overall noise output from the site is typical of industrial and waste management operations. However, due to the control measures specified in F.1.3, there will be no significant changes or otherwise to the existing impacts to noise from the licence review are envisaged.

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A summary of all environmental emission locations are shown on the attached Figure E.1.1.

E.6 Environmental Nuisances

E.6.1 Vermin/birds/flies

The KMK Metals facility accepts and handles WEEE and metallic wastes and not organic or biological type wastes. Therefore, there will be no impacts to vermin/birds/flies of environmental significance - please refer to existing waste licence W0113-03.

E.6.2 Litter

There are no impacts expected - please refer to existing waste licence W0113-03.

E.7. Emissions to Humans

There are no impacts expected - please refer to existing waste licence W0113-03.

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ATTACHMENT F
CONTROL & MONITORING

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F.1 Treatment, Abatement and Control Systems

There will be no potential environmentally significant air and effluent emissions from the facility - please refer to existing waste licence W0113-03.

F.1.1 Dust

This is monitored as part of the existing waste licence W0113-03.

Control measures

Further control measures may be adopted should the need arise and should on-going monitoring data show dust levels to be problematic or outside of the licence levels. These may include:

- Sprinkling water or applying a fine water mist over all outside areas at the site.
- Sweeping the building floors regularly and washing down the floors on a regular basis.
- Regularly washing down waste collection vehicles (off-site)
- Using a road sweeper on the facility yard during dry weather or dusty conditions.
- Install tarmac and concrete surface areas within E area as part of proposed site development. This will reduce dust generation at this area.
- Other mitigation measures suggested by the EPA.

With the inclusion of E area, it is proposed by KMK Metals as part of the licence review to include an additional dust monitoring location (A2-7) at the northwestern boundary of the this area. Please refer to Map F.1.1. Site staff regularly clean and sweep the yard throughout the day (as needed). Waste collection vehicles are also regularly washed to remove mud from the tyres/undercarriage. Other mitigation measures suggested by the EPA will be considered.

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F.1.2 Odour

There will be no odour emissions of any significance from the facility – please refer to the existing waste licence W0113-03.

Control measures

Not applicable to this waste licence review.

F.1.3 Noise

This is monitored as part of the existing waste licence W0113-03.

Noise emissions from site operations (during 2009) were not deemed to have a nuisance effect on the surrounding environment. Furthermore, the nature and future scale of site operations is not expected to have an overall increase in noise emissions in the area.

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Control measures

- All processing of WEEE and waste materials to remain inside the various buildings at the facility.
- No outside dismantling/baling or otherwise of waste materials.
- All fork lift trucks to drive and operate at low speeds.
- Drivers to be training on reducing noise emissions as a result of their duties e.g. avoid dragging large containers along the ground, dropping crates/cages or waste materials.
- Preventative maintenance of all equipment and plant so as to avoid abnormal noise emissions and breakdown of same plant.
- Any other mitigation measures proposed by the EPA or the Planning Authority will be considered.
- With the inclusion of E area it is proposed by KMK Metals as part of the licence review to include two additional noise monitoring locations (NE7 & NE8) at the northwestern and northeastern boundaries of the revised D5 area. Please refer to Map F.1.1.

F.1.4 Discharge to Surface Water

This is monitored as part of the existing waste licence W0113-03.

In summary, the changes to the existing site will be:

- The inclusion of E area as previously described.
- An increase in tonnage acceptance to the facility from 20,000tonnes to 35,000tonnes.

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With the inclusion of E area, it is proposed by KMK Metals as part of the licence review to include an additional surface water monitoring location (E) within this area. The sampling point will be downstream of a proposed new Class 1 interceptor at E and prior to mixing with the surface water run-off from other occupants of the industrial estate. Please refer to Map F.1.1.

Control measures.

Please refer to the existing waste licence W0113-03.

- A new interceptor unit to be installed at E area for treatment of all storm water run-off from newly surfaced areas.

F.1.5 Discharges to Sewer

There will be no discharge to sewer from the facility.

F.1.6 Climate

There is no impact to climate expected – please refer to the existing waste licence W0113-03.

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F.1.7 Cultural Heritage

There is no impact to cultural heritage expected – please refer to the existing waste licence W0113-03.

F.1.8 Ecology

There is no impact to ecology expected – please refer to the existing waste licence W0113-03.

F.1.9 Human Beings

Traffic movements to and from the site do not have a negative impact on the traffic volume in the surrounding area. The forecast traffic generation of the proposed site is likely to be either traffic neutral or indeed beneficial to the network for the following reasons;

- The inclusion of the proposed weighbridge will clearly half the number of times KMK Metals Recycling Ltd delivery/collection vehicles are required to enter and leave the Daingean Road as they will no longer use the AES weighbridge facility.
- The proposed E area will provide adequate car parking for the licensed site
- KMK Metals in taking over the E area will eliminate the use of AES of the site and therefore prevent AES trucks from using the area for skip storage and thereby reduce traffic volumes.

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Noise monitoring has shown that noise emissions from the facility do not have a negative impact on the surrounding area especially at the nearest dwellings/businesses to the site. Consequently, KMK Metals Recycling Ltd operations do not have a negative impact on the local community.

A recent WEEE status report (The National Compliance Scheme for electrical recycling – Annual Report 2005/2006) has been issued by WEEE Ireland and details the success in the implementation of the WEEE Directive nationwide. The public response in recycling of their WEEE has exceeded the initial expectation with the effect of increased WEEE quantities on the market for recovery/recycling. Due to increased business projections for the year ending 2009 it is necessary for KMK Metals to increase their waste acceptance tonnages from 20,000 tonnes/year to 35,000 tonnes/year to facilitate national WEEE compliance schemes which are subject to increased collection volumes and frequencies.

The proposed increase in tonnages will mean that KMK Metals Recycling Ltd will manage and recycle in excess of 65% of the national WEEE. Therefore KMK Metals Recycling Ltd will have an overall positive impact on the national population and implementation of the WEEE Directive. The proposed site operations will also have a positive contribution to the WEEE Management Plan.

Control measures.

The KMK Metals Recycling Ltd facility has an overall significant positive human impact. These include the provision of jobs, the collection, removal, recovery and recycling of between 20,000 to a maximum of 35,000 tonnes/year of waste nationwide. The maximum

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figure of 35,000 tonnes is subject to large scale tenders for WEEE collection being awarded to KMK Metals from the two compliance schemes in Ireland; WEEE Ireland (the national compliance scheme authority) and ERP - GEODIS.

Potential adverse impacts on neighbours, close businesses and the environment include dust, litter and noise. These have been addressed in this application.

These impacts will be managed and controlled by KMK Metals Recycling Ltd to reduce the impact on local residents and surrounding environment. Litter will be controlled by ensuring good house keeping measures at the site, handling and processing of waste inside buildings, covering waste areas and daily litter patrols at the site boundary.

KMK Metals Recycling Ltd wishes to notify the EPA that Offaly County Council is constructing a north-south ring road for Tullamore town (see Map F.1.9 attached) and this is due for completion by end of 2010 at the latest. As part of this road design a roundabout will be established on the Cappincur road close to the entrance to the industrial estate. This proposed road will serve the KMK Metals facility with improved access to north, east and south directions of the country and will result in minimal KMK Metals Ltd traffic passing through Tullamore town. Furthermore, the Council also proposes a foul sewerage scheme for the industrial estate in conjunction with the north-south ring road and this will have the effect of creating a fully serviced industrial estate in Cappincur which KMK Metals will benefit from. It is envisaged that this infrastructural work will be complete in mid 2010.

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F.1.10 Hydrogeology

No significant impacts expected from the review licence, please refer to the existing waste licence W0113-03.

Control measures

- All WEEE and waste processing areas are inside buildings and on impermeable ground.

These site developments will further help to reduce the potential impact of the activity on ground and groundwater quality. There are no further mitigation measures planned.

F.1.11 Landscape

KMK Metals Recycling Ltd is situated in an industrial estate. Please refer to the existing waste licence W0113-03.

The changes planned will be the inclusion of the new E area i.e. D5 existing and D5 proposed (see photo F.1.11 below).

This proposed addition will not have any negative effect on the landscape or general locality as all operations and infrastructure will be appropriate to an industrial estate where existing occupants are a mix of industrial, commercial and waste management business.

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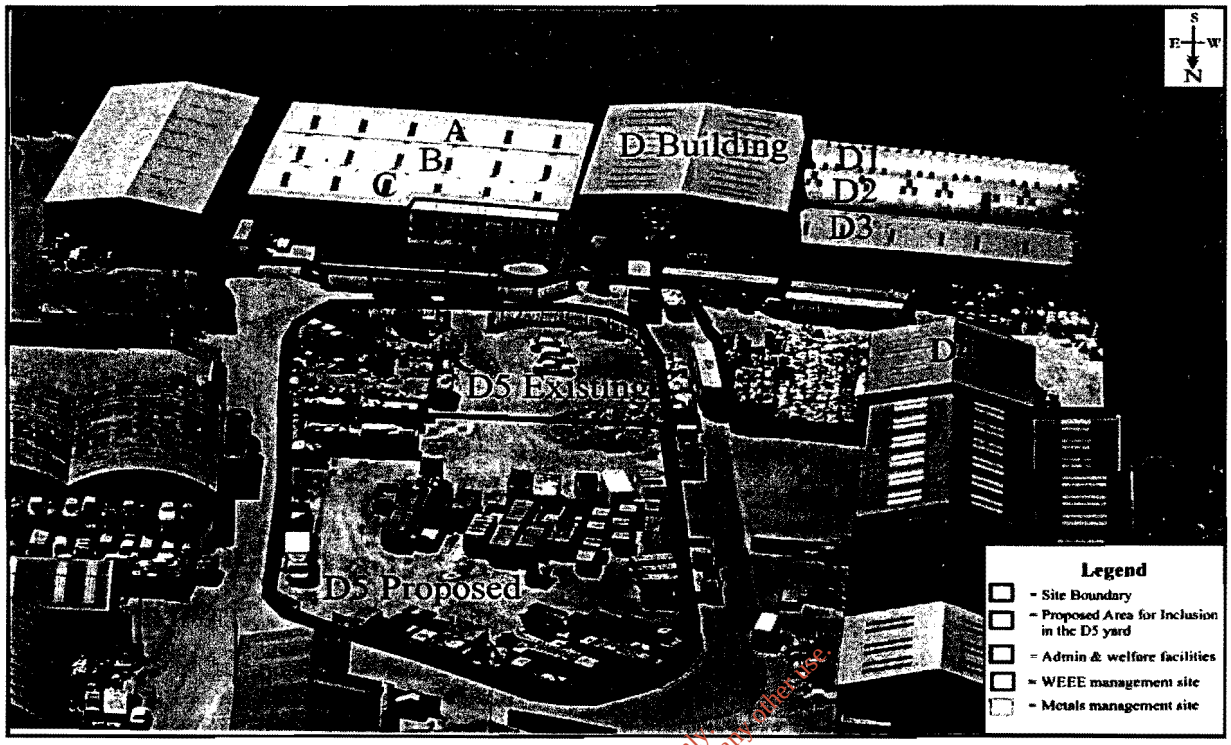

Photo F.1.11 Showing the proposed new E area i.e. D5 existing and D5 proposed for inclusion in site.

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Control measures.

Building design, fencing and gates will be visually similar to existing units at the site.

F.2 Air Monitoring

F.2.1 Dust

This is monitored as part of the existing waste licence W0113-03.

KMK Metals Recycling Ltd proposed an additional dust emissions monitoring location (A2-7) in the new E area in order to provide the Agency with fully representative emissions. It is expected that dust emissions from the site will be effectively controlled by proposed control measures described in section F.1.1.

The following table outlines the proposed dust monitoring programme for KMK Metals Recycling Ltd. Monitoring points are shown on the attached Map F.1.1

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Table F.2.1 Proposed Dust Monitoring Programme

Ref	Monitoring Location	Parameter	Proposed Frequency	Sampling Equipment/Analysis
A2-1 A2-2 A2-3 A2-4 A2-5 A2-6 A2-7	Site boundaries	Refer to Schedule C.6 of W0113-03	Refer to Schedule C.6 of W0113-03	Refer to Schedule C.6 of W0113-03

F.2.2 Odours

This is not applicable to the facility and therefore odour monitoring is not proposed.

F.3 Surface Water Monitoring

This is monitored as part of the existing waste licence W0113-03.

KMK Metals Recycling Ltd proposed an additional surface water emissions monitoring location (E) in the new E area in order to provide the Agency with fully representative emissions.

The following table outlines the KMK Metals Recycling Ltd proposed surface water monitoring programme. Monitoring points are shown on the attached Map F.1.1. A Trigger and Action Level document was submitted to the Agency in May 2009 which sets levels which KMK Metals will adhere to in relation to surface water discharges from the facility.

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Table F.3 Proposed Surface Water Monitoring Programme

Ref	Monitoring Location	Parameter	Proposed Frequency	Sampling Equipment/Analysis
CX DX E	Outlet to land drain	Refer to Schedule C.2.3 of W0113-03	Refer to Schedule C.2.3 of W0113-03	Refer to Schedule C.2.3 of W0113-03

F.4 Sewer Discharge Monitoring

There will be no discharge to sewer – please refer to existing waste licence W0113-03

F.5 Groundwater Monitoring

This is currently monitored as part of the existing waste licence W0113-03.

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Therefore, there will be no significant changes or otherwise to the existing impacts to groundwater from the license review. Hence, please refer to the existing waste licence W0113-03 for emissions to groundwater information.

F.6 Noise Monitoring

This is monitored as part of the existing waste licence W0113-03.

KMK Metals Recycling Ltd proposes two additional noise monitoring locations (NE7 & NE8) to their waste license in the new E area in order to provide the Agency with fully representative emissions. Noise monitoring and analysis will be carried out by a suitably qualified external consultant. Monitoring results will be recorded and submitted in a format that is to the satisfaction of the EPA. The report will highlight any breaches of trigger levels or other limit emission values. In the case of any breach of emission limit, KMK Metals Recycling Ltd will investigate the cause of the breach and strive to rectify the situation.

The following table outlines KMK Metals Recycling Ltd's proposed noise monitoring programme. Monitoring points are shown on the attached Map F1.1

Table F.6 Proposed Noise Monitoring Programme

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Ref	Monitoring Location	Parameter	Proposed Frequency	Sampling Equipment/Analysis
NE1, NE2, NE3, NE4, NE5, NE6, NE7, NE8	Site boundary locations	Refer to Schedule C.4 of W0113-03	Refer to Schedule C.4 of W0113-03	Refer to Schedule C.4 of W0113-03

It is expected that noise emissions from the site will be effectively controlled by existing and proposed measures described in section F.1.3 of this application.

F.7 Meteorological Data Monitoring

The KMK Metals Recycling Ltd facility is not expected to have an impact on the local climate – please refer to the existing waste licence W0113-03.

F.8 Ecological Monitoring

The KMK Metals Recycling Ltd facility is not expected to have an impact on the local ecology – please refer to the existing waste licence W0113-03.

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The KMK Metals Recycling Ltd proposed monitoring programme, location points and grid references are summarised below.

Monitoring Point	Description	Grid Reference (ITM)
A2-1	Dust	E635955 N725044
A2-2	Dust	E635959 N725004
A2-3	Dust	E635882 N724955
A2-4	Dust	E635911 N724993
A2-5	Dust	E635866 N725002
A2-6	Dust	E635902 N725021
A2-7	Dust	E635911 N725118
NE1	Noise	E635950 N725047
NE2	Noise	E635956 N725002
NE3	Noise	E635863 N724963
NE4	Noise	E635872 N725008
NE5	Noise	E635862 N725032
NE6	Noise	E635906 N725043
NE7	Noise	E635908 N725115
NE8	Noise	E635951 N725114
CX	Surface water emission to drain	E635772 N725046
DX	Surface water emission to drain	E635772 N725036
E	Surface water emission to drain	To be agreed once interceptor is in place.
GW1	Groundwater	E635847 N725032
GW2	Groundwater	E635812 N724986

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A summary of all proposed monitoring locations are shown on the attached Map F.1.1

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ATTACHMENT G
RESOURCE USE & ENERGY EFFICIENCY

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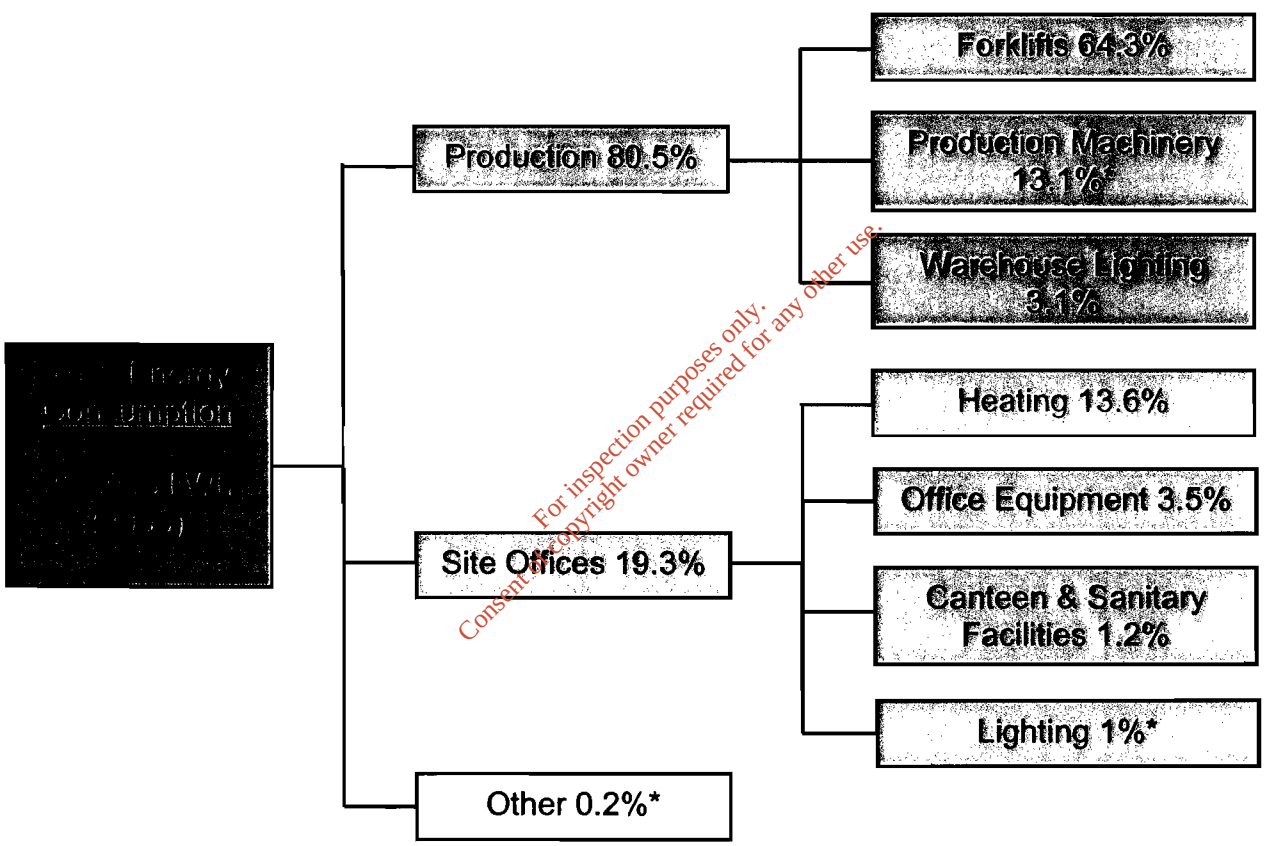
G.1 Raw Materials, Substances, Preparations and Energy

No changes planned - please refer to existing waste licence W0113-03.

G.2 Energy Efficiency

KMK Metals Recycling Ltd energy performance was calculated as a part of the energy audit carried out at the facility in February 2006. The following flow chart summarises the energy consumption areas of the facility.

Flow Chart of Energy Consumption



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* This is an estimate; this was not included in the site survey

5.2 Energy Performance

KMK Metals Recycling Ltd energy performance was calculated as a part of the energy audit to allow comparisons to be made of the energy efficiency of the company between years of operation. The energy performance for the company in years 2004 – 2006 was as follows:

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- 2004: Energy consumption 31.6 kWh/tonne of waste handled
  Energy cost €3.0/tonne of waste handled
- 2005: Energy consumption 18.0 kWh/tonne of waste handled
  Energy cost €1.7/tonne of waste handled
- 2006: Energy consumption 18.8 kWh/tonne of waste handled
  Energy cost €1.8/tonne of waste handled

The figures above show that the company has reduced its energy consumption and cost per tonne of waste handled and thus improved its energy performance from 2004. However, the energy consumption and cost per tonne of waste handled increased slightly from 2005 to 2006 (by 0.8 kWh or €0.1 per tonne of waste handled). This is not thought to be a significant change in the energy performance. However, if the energy consumption and cost per tonne of waste handled increases further, the reasons behind the increase have to be studied in more detail.

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ATTACHMENT H
MATERIALS HANDLING

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H1 Waste Types and Quantities – Existing & Proposed

Table H.1(A). No changes planned in the classes of activities applied for as indicated in the Waste Licence Application form.

H1 (b) Annual Quantities and Nature of Waste

Please refer to Schedule A, Table A.2 of the existing waste licence W0113-03 for nature of wastes as detailed in Appendix 4A and Appendix 4B.

It is proposed to increase the waste acceptance total from 20,000 tonnes per year to 35,000 tonnes per year for reasons given in section F.1.9 of this licence review application.

H1 (c) Waste Types and Quantities

Please refer to Schedule A, Table A.2 of the existing waste licence W0113-03 for types of wastes.

It is proposed to increase the waste acceptance total from 20,000 tonnes per year to 35,000 tonnes per year

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H.2 Waste Acceptance Procedures

No changes planned - please refer to existing waste licence W0113-03.

H.3 Waste Handling

Please refer to existing waste licence W0113-03 and with the following changes;

KMK Metals Recycling Ltd, wishes to revise the following conditions;

Condition 3.9.1 of the existing waste licence (W0113-03) states *'WEEE shall be stored in designated areas within the waste transfer buildings prior to being sent off site for disposal/recovery at an appropriate facility'.*

Condition 8.10 of the existing waste licence (W0113-03) states *'All waste storage and processing shall be carried out inside the waste transfer facility buildings.*

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KMK Metals Recycling Ltd, is in agreement to all WEEE and waste **processing** to occur inside the waste transfer buildings and under roof of other appropriate buildings within the waste licensed site. This has always been the case from the beginning of waste licence operations at the site.

However, KMK Metals Recycling Ltd will require specific waste storage to be permitted in designated, uncovered outside areas of the site.

This will apply to the storage of;

1) incoming WEEE from designated collection sites arriving in large skips or cages and staying within these containers before being accepted inside the waste management buildings for WEEE processing.
2) incoming WEEE from designated collection sites arriving in bulk and being stored loose before being accepted inside the waste management buildings for WEEE processing.
3) pre-treated WEEE in preparation and prior to loading into approved export containers for off-site further treatment.
4) fridges prior to loading into approved export containers for off-site further treatment.

In situations where it is necessary for waste and WEEE to be stored in uncovered outside areas within the site, it will be on impermeable concrete surface with drainage to site interceptors.

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This proposal is in agreement with the Sixth Schedule of the Waste Management (Waste Electrical and Electronic Equipment) Regulations 2005 – technical requirements in accordance with Article 20 which states;

1. *Sites for storage (including temporary storage) of Waste Electrical and Electronic Equipment prior to their treatment (without prejudice to the requirements of Council Directive 1999/31/EC):*
   - impermeable surfaces for appropriate areas with the provision of spillage collection facilities and, where appropriate, decanters and cleanser-degreasers.
   - weatherproof covering for appropriate areas.

2. *Sites for treatment of Waste Electrical and Electronic Equipment:*
   - balances to measure the weight of the treated waste
   - impermeable surfaces and weatherproof covering for appropriate areas with the provision of spillage collection facilities and, where appropriate, decanters and cleanser-degreasers
   - appropriate storage for disassembled spare parts

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- appropriate containers for storage of batteries, PCBs/PCTs containing capacitors and other hazardous waste such as radioactive waste.
- equipment for the treatment of water in compliance with health and environmental Regulations

As stated previously, the majority of WEEE being accepted to the KMK Metals site is originating from Civic Amenity (CA) sites where all WEEE is being stored outside. These CA sites are waste licensed as are KMK Metals. Therefore, KMK Metals in the interests of equality and in reference to the Waste Management (Waste Electrical and Electronic Equipment) Regulations 2005, requires that the conditions stating for all WEEE waste storage to be within buildings at the site, be revised and that temporary outside storage of materials as detailed above be permitted. Ongoing site improvements and planning are working towards more covered areas. Economic conditions are a prerequisite for the implementation of civic works on the site as are comparisons with economic operators in competition to our commercial operations.

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ATTACHMENT I.1
EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY – ATMOSPHERIC EMISSIONS

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I.1 Assessment of Atmospheric Emissions

The only potential environmentally significant effects on air quality from KMK Recycling Ltd's proposed operations are dust and noise. Existing dust emissions at the site are dealt with below. Existing noise emissions are dealt with in section I.6 of this licence application.

I.1.1 Dust

Due to the quantity and nature of waste that is proposed to be handled at the site, there is the potential for dust generation, especially in dry weather through waste unloading, sorting and vehicle movements. Dust deposition monitoring is carried out annually as part of the licence W0113-03 and reported in the annual environmental reports (AERs).

Annual dust deposition monitoring, based on a modified version of the Bergerhoff Method VID 2119 'Measurement of Dustfall Using the Bergerhoff Instrument (Standard Method)', is carried out by ENVIROCO Management Ltd in compliance with Waste Licence W0113-03.

On 9th August 2008 a total of six locations were set up for the annual monitoring event. Dust monitors were left in-situ for 30 days from the 9th August to the 8th September 2008. Monitoring locations are predetermined, though two were amended because of obstruction: A2-5 – sampling was carried out outside of the boundary instead of inside; A2-6 – position changed from the northern boundary to just inside the entrance to the D4 area. Table 6.3.1 describes the locations of monitoring points, as illustrated in Map I.1.1 attached to this application;

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Table I.1.1 Description of Monitoring Locations

Location	Grid Reference		Description
	(Easting)	(Northing)	
A2-1	E635955	N725044	North east corner of car park area
A2-2	E635959	N725004	Eastern boundary
A2-3	E635882	N724955	Southern boundary
A2-4	E635911	N724993	Central, nr. main entrance gate
A2-5	E635866	N725002	Western boundary
A2-6	E635902	N725021	Entrance to D4 area

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I.1.2 Depositional Dust

Results of depositional dust monitoring, including EPA guidance limits, are displayed in Table 6.3.2.

Table I.1.2 Total Depositional Dust (09/08/08 – 08/09/08)

Station ID	Irish Grid Reference		Dust Deposition mg/m^2/day	EPA licence Limits mg/m^2/day
	Easting	Northing		
A2-1	E635955	N725044	280	350
A2-2	E635959	N725004	338	350
A2-3	E635882	N724955	580	350
A2-4	E635911	N724993	1012	350
A2-5	E635866	N725002	1084	350
A2-6	E635902	N725021	902	350

Results from analysis of dust samples taken at the KMK Metals Recycling Ltd. site showed samples A2-1 and A2-2 to be within the EPA licence limits of 350mg/m^2/day. Samples A2-3, A2-4, A2-5, A2-6 exceeded licence limits.

The highest value recorded was 1084 mg/m^2/day from sample location A2-5, along the western boundary. This is likely attributable to traffic movements at the site and dust disturbance with fluctuations in weather conditions (arising predominantly from the hard surfaced D5 Area). There may also have been some unanticipated contamination of this sample from fallen debris of nearby trees.

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Results of samples A2-4 and A2-6 were also high, providing results of 1012 and 902 mg/m^2/day respectively. The monitors for samples A2-4 and A2-6 were located at entrances to the busiest parts of the site and beside the industrial estates public site access road. The elevated levels are therefore due to traffic movements at and near to the site, most likely exacerbated by hot weather and dry ground conditions.

Sample A2-3 recoded relatively high dust levels, of 580mg/m^2/day. There is a lack of waste handling activity and vehicle movements at this area; hence the high levels are unexpected. Whilst this sample location provided high results compared to the recommended levels of the EPA, the result of 580mg/m^2/day is almost half the amount of dust recorded at sample location A2-4, and significantly less than recorded at A2-6. It is possible that the dust recorded at location A2-3 was wind-blown from elsewhere at the site.

Sample A2-2 is located just inside the site beside a bend in the public access road of the industrial estate, which leads to and from the site entrance. The result from this location was 338 mg/m^2/day, which is within the EPA limits of 350 mg/m^2/day. This shows that traffic accessing the site and passing by this monitoring point do contribute to dust levels in the area but did not cause exceedences of the licence limits.

Sample A2-1 provided results of 280 mg/m^2/day. The location of this sample was within the car park area north east of the site. This was the lowest level of dust

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recorded across the site, and possibly represents background levels of particulates in the industrial estate. This location was probably influenced by passing traffic and windblown dust from the immediate hard standing surfaces.

I.1.3 Metallic Species

An analysis of the metallic species in all six dust samples was also carried out. Results of the analysis are displayed in Table I.1.3.

Table I.1.3 Metallic Species in Depositional Dust (09/08/08 – 08/09/08)

Parameters	Monitoring Location					
	A2-1	A2-2	A2-3	A2-4	A2-5	A2-6
Aluminium (Al)	<20	<20	<20	<20	**<20**	**128**
Copper (Cu)	<1	<1	<1	<1	**<1**	**12**
Arsenic (As)	<0.5	<0.5	<0.5	<0.5	**<0.5**	**<0.5**
Cadmium (Cd)	<0.5	<0.5	<0.5	<0.5	<0.5	0.9
Chromium (Cr)	<0.5	<0.5	<0.5	<0.5	<0.5	0.6
Iron (Fe)	<10	<10	<10	<10	<10	173
Mercury (Hg)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel (Ni)	<0.5	<0.5	<0.5	<0.5	<0.5	2
Lead (Pb)	<0.5	<0.5	<0.5	<0.5	<0.5	31
Zinc (Zn)	<5	<5	<5	<5	<5	165

All samples measured were below laboratory limits of detection, with the exception of A2-6 for the following: aluminium (128ug/l), copper (12ug/l), cadmium (0.9ug/l), chromium (0.6ug/l), iron (173ug/l), zinc (165ug/l), lead (31ug/l) and nickel (2ug/l).

Monitoring location A2-6 was positioned at a very active area of the site in relation to access and egress of the D4 area. There is no EPA limit set in the licence for metallic species. Whilst metallic species were found to be present, the concentrations are not sufficiently high to be of environmental concern.

The inclusion of E area to the site will not result in any significant rise in dust emissions or impact from the activity. In fact the proposed development of E area by way of concrete and tarmac impermeable surfaces will actually reduce dust potential as the existing hardstanding surface (gravel and stone) will be replaced. Furthermore, KMK Metals Recycling Ltd proposes the addition of another dust monitoring location to ensure effectiveness of dust controls.

Proposed dust mitigation measures and dust monitoring programmes are discussed in Sections F.1 of this application.

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ATTACHMENT I.2
EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY – SURFACE WATER

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I.2.1 Assessment of Impacts of Surface Water Discharges on the Receiving Water

In relation to surface water drainage, the following additions are proposed for the new E area:

Surface water run-off from the tarmac and concrete surface areas of the site will be directed via gullies to a proposed Class 1 interceptor unit prior to connection to the existing shared drain in the industrial estate which serves to remove surface water run-off from a number of commercial businesses. KMK Metals proposes to develop E area by means of weighbridge, fencing, entrance gates etc. In addition, a building structure will be installed to cover a section of E where incoming WEEE may be stored temporarily prior to movement to existing process areas within the facility. Drainage from the proposed building roof will be diverted to the existing drainage infrastructure directly and thus by-pass the proposed interceptor unit. Development of E area will be conducted on a phased basis.

I.2.2 Surface Water Drainage from Site (outside concrete areas only)

As described above.

I.2.3 Water Quality Management Plan

Not applicable – please refer to Schedule C of waste licence W0113-03.

I.2.4 Surface Water Monitoring Survey

Emissions to surface water from the site occur as storm water is discharged to an adjacent land drain along the west boundary of the site, via emission points CX and DX, described as follows:

CX: discharge pipe located on the western boundary arising from the C Area
DX: discharge pipe located on the western boundary arising from the D Area

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It is a requirement of Waste Licence W0113-03 that water emissions from the KMK Metals Recycling Ltd. facility are monitored on a quarterly basis, with daily visual inspection, and bi-annual analysis of metals.

A discussion of surface water monitoring results from 2008 onwards is provided below.

10th March 08: All parameters in sample CX were within the 1989 EPA Surface Water Regulations. However, in sample DX the following parameters exceeded the limits: COD and Mineral Oil, linked to compromised interceptor operation at the D area. Slightly elevated levels of Conductivity can be attributed to the location of the Large Household Appliances (LHA) baling unit and heavy rainfall prior to sampling.

1st July 2008: All parameters in sample CX were within the 1989 EPA Surface Water Regulations. However, in sample DX the following parameters exceeded the limits: COD and Conductivity. The elevated COD may have been due to some traces of detergent residues from the baling of washing machines at the D area. Elevated Conductivity levels are likely to have been due to baling and subsequent storage of washing machines, also in the D yard area.

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22nd October 08: All parameters which were tested for in samples CX and DX with the exception of COD were within the1989 EPA Surface Water Regulations. The raised COD levels were attributed to the presence of detergent residues from the baling of washing machines at the D area. The baling unit was subsequently moved under roof to the D building.

10th December 08: Regarding the sample for CX, an oversight at the laboratory resulted in no test results for Mineral Oils or DRO's. There was no flow at the DX outlet due to de-sludging, emptying and cleaning of onsite interceptors. All parameters were within the 1989 EPA Surface Water Regulations.

19th February 09: In both samples CX and DX levels of Conductivity and COD were above the EPA Guideline Limits. Since this sampling event baled washing machines are now being stored inside D building and thereby avoiding rainfall run-off and associated drainage.

6th May 09: Each of the parameters tested for in the CX sample were within the 1989 EPA Surface Water Regulations with the exception of Conductivity. However, the figure for conductivity has markedly decreased when compared with the levels displayed in the February 09 sample. There was no flow from the DX outlet at the time of sampling as the tank was emptied and cleaned by ENVA Ireland (with the removal of 9,000litres).

5th August 2009: Conductivity levels were elevated in the CX sample but much reduced in the DX sample when compared to previous result. It is possible that metallic wastes being stored outside have contributed to elevated conductivity levels by transportation of dissolved solids/metals in rain water run-off and storm-water to the interceptor.

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In relation to elevated levels of lead in the water discharge, this may be directly attributed to temporary unloading of TVs from incoming cages at the facility whereby some broken TV units may have exposed glass funnel parts which contain lead metallic species.

There were no other elevated metallic species in the discharge. It is important to note that the interceptor at DX is emptied by a vacuum tanker on a number of occasions during the year and therefore there is no actual constant discharge from this interceptor as it remains empty for a period until it reaches capacity again.

It is recommended that a water proof cover be installed for temporary storage of metal wastes, which are currently being stored outside at CX, and that constant sweeping up of debris/dust in open yard areas and inside the new D building be carried out. Also it is necessary to install a bund and trench around the baler at DX and have the drainage from this unit diverted into a sump area for separate collection and treatment off-site. This will eliminate potential contaminated drainage from baling activities from entering the interceptor (which is only designed to treat oil/hydrocarbons and silts). In compliance with the Conditions set out in Waste Licence W0113-03, KMK Metals Recycling Ltd. submitted a report of Trigger and Action Levels to the EPA at the end of May 2009, which sets trigger and action levels for Surface Water discharges from the CX and DX outlets. This report is to be complied with by KMK Metals.

Proposed surface water mitigation measures and monitoring programmes are discussed in Sections F.1.4 of this application.

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ATTACHMENT I.3
EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY – RECEIVING SEWER

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I.3.1 Assessment of Impact on Receiving Sewer.

There will be no discharge from the facility to any sewerage works and hence this section of the waste licence application does not require any further details.

In addition, KMK Metals Recycling Ltd wishes to bring to the notice of the Agency that a Sewer Mains is scheduled to be completed as part of ongoing development works of Offaly County Council in conjunction with the construction of the ring road. The Sewer Mains Is scheduled for completion in 2010, therefore it is envisaged that KMK Metals will avail of this service. The proposed route of the sewer line will be adjacent to E area and parallel with the existing facility entrance.

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ATTACHMENT I.4
EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY – GROUNDWATER AND SOILS

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I.4 Hydrogeology

There have been no detailed site investigations necessary at the site as part of this waste licence review application. Furthermore, there are no significant impacts expected from the review licence, please refer to the existing waste licence W0113-03.

I.4.1 Geology

No significant impacts expected from the review licence, please refer to the existing waste licence W0113-03

I.4.2 Hydrogeology

No significant impacts expected from the review licence, please refer to the existing waste licence W0113-03

As part of the future site developments, the new facility will include additional lands beside D5 and to be renamed as E area:

The new E area will be surfaced with an impervious base; tarmac for car park areas and concrete for internal road and storage areas. The run-off from the surfaced areas will be directed to a proposed interceptor unit prior to discharge to the existing surface water drainage system of the industrial estate with final discharge to the land drain west of the KMK Metals site. Therefore this site development will further help to reduce the potential impact of the activity on ground and groundwater quality.

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Groundwater monitoring is carried out at 2 locations as per Schedule C of the existing waste licence W0113-03 and is reported in the annual environmental report (AER) for the site. In general, all groundwater monitoring is found to be in compliance with the waste licence and there has been no incidents of groundwater contamination at the site. Furthermore there is no additional groundwater monitoring well locations proposed as part of this licence review at E area due to the fact that these proposed areas pose a very low risk to ground contamination and all waste processing will occur at existing locations within the site.

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ATTACHMENT I.5
EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY – GROUND AND/OR GROUNDWATER CONTAMINATION

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I.5.1 Ground Contamination

There have been no detailed site investigations carried out as part of this waste licence review application. There are no further changes planned - please refer to W0113-03.

I.5.2 Groundwater Contamination

This section has been adequately covered in Attachment I.4 of this waste licence application.

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ATTACHMENT I.6
EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY – NOISE

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I.6 Existing Environment – Noise

Due to the quantity and nature of waste that is proposed to be handled at the site, there is the potential for noise generation, especially through waste unloading, sorting, processing and vehicle movements. Noise monitoring is carried out as part of the licence W0113-03 and reported in the annual environmental reports (AERs).

ENVIROCO Management has been commissioned by Mr. Kurt Kyck of KMK Metal Recycling Ltd, Cappincur Industrial Estate, Tullamore, Co Offaly; Waste Licence Number W0113-03 to submit an environmental noise survey as required by the facilities licence conditions and also in conjunction with an EIS required as part of a waste licence review.

The objectives of the environmental noise survey were to:

- Investigate the noise emissions arising from the facility during a typical working day as part of the waste licence operations.
- Assess the noise emissions in terms of nuisance or pollution potential on the immediate environment around the KMK Metals facility.

Monitoring occurred on the 30th July 2009. Monitoring took place during the course of a normal working day.

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Noise has many sources, both manmade and environmental. Noise is observer defined, as levels unacceptable to one person may be perceived as necessary or enjoyable to another. As such the monitoring of noise is primarily an observational discipline requiring a full identification of the sources of possible noise and the type of sound that is been emitted (continuous, intermittent, tonal, broad-spectrum, single source, multiple source). The Environmental Protection Agency (EPA) has adopted a noise level (as a continuous equivalent noise reading – Leq) of 55 dB(A) as an indicator of annoyance due to noise arising from industrial activity. This level is given at the receptor or noise sensitive location (NSL). Monitoring of noise at the KMK plc facility in the Cappincur Industrial Estate, Tullamore, took into account both the nature of the site, the history of the site, the intensity of the operations and the proximity of local sensitive receivers. Monitoring was carried out mid-week during the hours of 9am to 3 pm; the facility does not operate during night-time therefore readings after 7pm were not recorded.

Noise monitoring was carried out to the International Standard ISO 1996/1 "Acoustics – Description & measurement of environmental noise", using a Type 1 Bruel Kjaer 2250 Sound Level Meter with outdoor equipment that was fully calibrated prior to and after the monitoring event. The meter was set to Fast Response with an effective averaging time of 0.25sec during noise monitoring. All noise monitoring was 'A' weighted which attenuates low frequencies strongly so noise measuring is more specific to human hearing and environmental noise.

Noise monitoring was carried out on the 30th July 2009. The KMK facility in the Cappincur Industrial Estate does not operate over night; therefore noise monitoring was not carried out overnight. Each monitoring location is identified on the Map I.1.6 attached.

Weather conditions during sampling were; bright and sunny with a light breeze becoming overcast as the morning passed with a brief rain shower.

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The monitoring equipment was manned throughout the sampling period and comments/notes taken to assist the interpretation and assessment of results.

Sampling was carried out at 6 locations along the facilities boundaries where accessible (Figure 2.1.1) and 2 locations along the boundaries of the proposed new area for inclusion i.e. Revised D5 area as part of the licence review and EIS application. ENVIROCO Management staff selected these monitoring locations in accordance with Schedule C Control and Monitoring of KMK's waste licence conditions (W0113-03).

The monitoring locations were:

N1: Car park at fence boundary
N2: Eastern boundary, beside disused portacabin
N3: Fence at southwest boundary
N4: Western boundary
N5: North-western boundary of the D4 yard area
N6: North-eastern boundary of the D4 yard area
N7: Located at the North-western boundary of the proposed new E area.
N8: Located at the North-eastern boundary of the proposed new E area.

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Table 2.1.2 Grid Reference Points of Noise Monitoring Positions

Monitoring Locations	Grid Reference (ING)	
	Easting	Northing
N1	635950	725047
N2	635956	725002
N3	635863	724963
N4	635872	725008
N5	635862	725032
N6	635906	725043
N7	635908	725115
N8	635951	725114

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Results

The complete set of noise measurement results is included in Appendix A. These are summarised and discussed below.

Table 2.2.1 Summary of Site Boundary Noise Levels

Location	Start Time	L_{Aeq}	Comments
N1 Car park at fence boundary	09:21	62	**Background Noise;** Birdsong and wind gusting between the receptacles at this location. Sound of water flowing in a drain nearby where the lid of the drain was almost fully removed. Large truck idling in close proximity to the fence where the noise meter was set up. Cars and jeeps entering and exiting neighbouring facilities regularly and using the Industrial Estate Road. **Site Noise:** Audible noise coming from the KMK Facility and forklifts operating in the D5 area. Horns sounding from trucks leaving the industrial estate and from trucks leaving the KMK site. 9.30am Forklifts passing the noise meter and moving pallets and empty cages in close proximity to the meter. There was a short emission of sound from cages scraping across a gravel surface. 9.42am Some loud revving of a vehicles engine at a neighbouring facility took place for approximately 3 minutes prior to the vehicle leaving the site. A phone with an external bell for the yard area rang sporadically from the neighbouring site during the monitoring event.
N2 Eastern boundary, beside disused portacabin	10:00	59	**Background Noise;** Birdsong, wind gusts from between the buildings were frequent during this monitoring event. Some short conversations held in the yard in close proximity to the meter. Barking from the I.S.P.C.A Dog Pound in the neighbouring industrial estate. Truck pulling out from a neighbouring facility releasing its pressure caused a short increase in the LA_{eq} until the truck had left the area. **Site Noise:** 2 vans entered the site, one of which was a post van and the other van turned its engine off while waiting for a forklift to bring over 3 cages for the televisions in the back of it. This forklift brought cages which rattled while in motion and were scraped on the concrete surface for a brief moment. The unloading of the van by hand caused banging noise for approximately 5 minutes. During this monitoring event a forklift was loading a trailer with empty cages which caused a banging & scraping of metal. The reverse sounding alarms on the forklifts in the area were sounding quite regularly until the trailer was loaded.
N3 Fence at southwest boundary	10:39	60	**Background Noise;** Birdsong and rustling of the wind through the trees and hedgerow which are along the western boundary. During the monitoring event operational noises from the Ring Road construction works were clearly audible (diggers operating, articulated dump trucks travelling along the ring road). The noise levels from this increased between 11:05 and 11:10am. **Site Noise:** Sound of general operations and processing from the CRT processing area was ongoing during this monitoring event. People speaking in loud voices from the D1 area throughout the event. Ongoing sound from pneumatic drills, hammering and machines in the CRT processing area, Noise from the Large Household Baler unit was audible throughout this monitoring event and also the reverse alarms from forklifts operating in the D2 building and the D building.

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Table 2.2.1 Summary of Site Boundary Noise Locations (contd.)

Location	Start Time	L_{Aeq}	Comments
N4 Western boundary	11:19	61	**Background Noise:** Birdsong, the constant rustling of silver birch tree leaves at this location was especially audible during this monitoring event. A road sweeper passed by the D4 yard fence twice during this period sweeping the industrial estate road. Dogs barking at the pound. Noise from the nearby ring road operations was clearly audible at this location & a number of horns sounded from the construction vehicles. **Site Noise:** Banging & other operational noises arising from the D building were audible as a trailor was being emptied of its load while another was being loaded for dispatching. Multiple forklifts were in operation (revving, sounding reverse alarms, etc) frequently resulting in banging and scraping of metal. The LHA baler was either in operation or idling pending loading during this time frame. A forklift fitted with a sweeping device to the front of it proceeded to sweep the D yard area and the D building which took place between 11:34-11:39am.
N5 North-western boundary of D4 area	11:55	49	**Background Noise:** Birdsong & rustling of leaves in the trees was audible at this location as it is located in close proximity to the western boundary. Dogs barking at the I.S.P.C.A pound. A number of aeroplanes passed overhead. Noise from the ongoing construction operations on the ring road were consistent throughout. **Site Noise:** Forklifts in operation at the KMK facility were slightly audible, however the noise from the ring road operations were clearly more audible. 12:11pm Banging of metal & moving of waste for processing at the KMK facility was continuous until 12:14pm. A horn sounding on a truck travelling on the ring road route was audible at this time.
N6 Northern boundary at fridge storage area	12:30	64	**Background Noise:** Birdsong. Wind gusting as there was little shelter at this location. It began to rain and proceeded throughout the monitoring event. **Site Noise:** Forklifts were in operation at the KMK site throughout this monitoring event & the LHA baler was in operation for the majority of the event. A forklift remained idling in close proximity to the noise meter for a few minutes. An oil delivery truck arrived at the site at 12:35pm and left again at 12:49pm. A number of forklifts passed the noise meter with empty cages and another with a pallet of microwaves. A car with a loud muffler started its engine at 12:54pm and left the car park which is in the D5 area.
N7 Located at the North-western boundary of the new E area	13:24	58	**Background Noise:** Dogs barking at the I.S.P.C.A dog pound clearly audible at this location. Conversations from neighbouring industrial estate units were clearly audible. A truck was left idling outside the industrial unit adjacent to this monitoring location, there were also pick-up trucks starting their engines and leaving this industrial unit. A bus entering a nearby driving school turning & reversing in very close proximity to the noise meter at this location. **Site Noise:** A number of Roll on Roll off skips were being set down & collected from the central area adjacent to the D5 yard area by a waste company, resulting in trucks passing the noise meter. A number of trucks leaving other industrial units apart from the KMK facility & cars using the industrial estate road were frequent. Some noise originating from the general operations at the KMK facility were slightly audible.

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Table 2.2.1 Summary of Site Boundary Noise Locations (contd.)

Location	Start Time	L_{Aeq}	Comments
N8 Located at the North-eastern boundary of the new E area	13:58	70	**Background Noise:** Birdsong. Dog barking at a nearby industrial unit. Noise from a loud car exhaust, which remained idling for 2-3minutes. Car doors opening & closing was a common occurrence at this location. Banging & hammering arising from operations at an engineering facility to the front of the industrial estate was clearly audible but occurred sporadically. At 14:05pm a car parked adjacent to the noise meter while a person proceeded to shout loudly for a few moments before proceeding with a conversation for a number of minutes. A number of cars entered and exited a nearby car dismantlers unit during the monitoring event. Reverse alarms and horns sounding on trucks leaving a nearby couriers yard also occurred intermittently. The sound of an angle grinder was clearly audible at this location, the noise arising from the engineering unit located to the front of the Industrial Estate. **Site Noise:** Noise from operations at the KMK facility were audible at this location. A truck collecting a skip from the storage area adjacent to the D5 yard area emitted a loud screeching noise from metal on metal. A few minutes later a truck dropping off a chain skip left the storage area, as it did so the chains on the truck rattled loudly as the vehicle was in motion.

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Discussion

There are currently no statutory limits for the control of environmental noise in Ireland. However, the EPA has issued a guidance note on noise emissions that states, '*Ideally, if the total noise level from all sources is taken into account, the noise level* ***at sensitive locations*** *should be kept below an* L_{Aeq} *value of 55dB(A) by daytime. At night, to avoid disturbance, the noise level at noise sensitive locations should not exceed a* $L_{Aeq\ T}$ *value of 45dB(A).*'

Noise monitoring was carried out between the hours of 9am and 3 pm. Noise monitoring was not carried out overnight as the facility does not operate outside of normal hours. Noise sources from the plant, audible at the site boundaries have been identified as:

- Vehicles entering/leaving the site
- Personnel entering/leaving buildings
- Unloading and loading of trucks with waste materials
- The movement of fork lift trucks in the process areas
- Reversing alarms from fork trucks
- Operation of the baler unit for Large Household Appliances (LHA).

The KMK Metals facility is located within the Cappincur Industrial Estate, Tullamore. This industrial estate includes warehousing, commercial/industrial and waste management operations with Tullamore Steel, Palace Kitchens, Modified Motors, Ravenhill Couriers, Robedesign and Condron Car Dismantlers, all located within a relatively close proximity to the KMK site. These other occupants all have noise associated with their activities and this results in a cumulative noise impact within the industrial estate e.g. all warehousing environments require controlled ventilation and air supply, and therefore there is noise associated with these fans, car dismantlers use angle grinders, acetylene torches, fork lift trucks and other ancillary activities e.g. vehicle movements. Motor modification shops result in loud noise from engine tests/revving noises etc.

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In relation to KMK Metals site, the greatest ascendance in noise levels occurred at N8 located at the north-eastern boundary of the proposed area for inclusion in the revised site boundary to be named at E area with an L_{Aeq} reading of 70 dB (A). This noise level was 6 dB(A) greater than the next highest noise reading which was 64dB(A) at N6. An increase in 6dB(A) is perceptible by the human ear in the form of recognisable loudness and is seen as significant as it equates to a tripling of sound intensity or energy being experienced by the human ear and the greater the sound energy experienced the greater the potential hazard to human hearing. The L_{Aeq} value recorded at N8 was heavily influenced by the L_{10} level i.e. 68 dB(A). The L_{10} noise parameter represents the noise level exceeded for 10% of the time and is often used as an indicator of the typical maximum level. L_{10} is widely used to describe peak road traffic noise and sometimes other short duration noises. It was noted during noise monitoring at N8 that a car engine from Modified Motors was revving for some minutes and this clearly elevated the noise levels at N8. The L_{10} value at station N6 was 66 dB (A). The main sources of noise at station N6 emanated from site operations involving the unloading of a truck of fridges and freezers with the aid of a fork-lift.

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These operations resulted in the sounding of the reverse alarm, scraping of metal surfaces as well as occasional falling material from the back of the truck.

N5 located in the north-western boundary of the D4 yard area experienced the lowest L_{Aeq} reading of 49 db (A) which was below the EPA limit of 55 dB (A). Much of the noise was created from sources outside the boundaries of the site such as passing traffic; truck engines idling near the noise meter and noise from construction works being carried out in conjunction with the ring road close by. Noise stations N1, N2, N3, N4 and N6 located in the Northeast of the D5 area, East, South, West and Northeast of the D4 yard area of the site experienced similar L_{Aeq} values of 59-64 dB (A). Much of the noise at these locations were linked to general operations within the KMK facility with some outside factors i.e. an oil delivery took place during the N6 monitoring event. The operations within the site influencing the noise levels were the unloading of, dismantling and processing of waste electrical products (WEEE). The noise generated during these operations is not likely to be a source of disturbance to neighbouring properties as it is known that noise dissipates over distance, and for point source emissions, there is a decrease in 6dB(A) for every doubling in distance away (see table 2.3.1 below).

Table 2.3.1 Attenuation of Noise over Distance for point source emissions e.g. industrial sources.

Distance m	Noise level dB
10	70
20	64
40	58
80	52
160	46

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Stations N7 and N8 were sampled for the purposes of a waste licence review and EIS and were situated at the north-western and north-eastern boundary of the proposed area for inclusion in site to be renamed at E area.

N7 gave a L_{Aeq} and L_{10} value of 58 dB(A) each. Therefore the typical maximum noise and average noise levels are equal at this location which means that the dominant noise at this location was due to passing traffic in the industrial estate. The majority of all traffic observed during this event were entering and exiting neighbouring industrial estate units.

The results for the N8 station provided the highest L_{Aeq} value of the days monitoring, 70 dB(A). Again, as with station N7 only a small amount of the noise could be sourced to operations at the KMK facility. This is further shown by virtue of the L_{10} level of 68dB(A) which was only 2dB lower than the average level. The majority of the noise at this station arose from neighbouring industrial estate units including a Modified Car shop and a Car Dismantlers, an engineering facility located to the front of the estate facing the L-02025 road to Daingean (hammering & banging as well as the sound of an angle grinder), a haulage company and also a driving school all located within a 50-150m radius of the noise meter.

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Overall, the noise levels recorded at stations N1, N2, N3, N4 and N6 during monitoring located within the boundary of the KMK Metals Recycling Ltd facility exceeded the Daytime Noise Limit Value L_{Aeq} (30 minutes) of 55dB (A), with the exception of N5 which was below the recommended limit. The noise levels recorded at stations N7 and N8 were recorded to provide a representation of the existing levels along the boundaries of the area proposed for inclusion in the revised D5 area. Both sets of results were above the recommended Daytime Noise Limit Values with the highest level being recorded at 70 dB (A). These results were not as a direct result of operations at the KMK facility but can be largely associated with neighbouring industrial units operations/activities and general traffic generated within the industrial estate.

On examination of the L_{Aeq} (30 minutes) for the noise monitoring locations N1, N2, N3, N4, N5 and N6, the average or steady rate of noise levels generated at the KMK Metals facility was between 49dB(A) and 64dB(A). This overall noise rate in real terms is somewhere between typical office noise to experiencing light traffic at 15m distance away as illustrated in the description table below;

Table 2.3.2

Sound Pressure level dB(A)	Typical source
120	Jet take off at 50m
100	Pneumatic Drill
90	Generator hall
80	Light machine shop, Heavy Truck at 15m
70 – 60	Light traffic (cars) at 15m
60	Office Noise
40	Library
20	Rural evening

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Octave Band Analysis and Discussion

Octave band analysis of noise is the breakdown of the sound pressure readings, as recorded on site, into specific frequency band widths. This enables a greater understanding of the type of noise evident at a site and can give indications to where tonal noise is present. There are two common forms of octave analysis. Full octave analysis groups sound pressure readings into frequency readings that cover a full octave. This type of monitoring gives a good general description of how people will perceive a sound/noise. One third octave analysis, further separates the noise reading into $^1/_3$ octave frequency groupings. Each frequency reading is given in Hz. The frequency reading is the central frequency for each band that is been monitored (i.e. Frequency band 250 Hz covers all sound pressure readings recorded between 167Hz to 333Hz). 1/3 octave analysis of noise enables the identification of tonal components present at a site. Long duration tonal noise is typically found as more aggravating to nearby sensitive receivers than broad spectrum noise sources and control measures can be used to minimise the annoyance caused by tonal sources.

Octave Analysis

The scope of this noise assessment is to evaluate the noise arising from the KMK Metals Recycling Ltd facility within the Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly. Full results of the 1/3 octave analysis are shown in Appendix A, including charted results for each location. These results and charts are discussed below. The overview chart of all monitoring stations shows a similar trend at most locations, with a general decline in sound pressure as frequency increases with the lowest noise at 16kHz.

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The octave analysis chart for the sound pressure recorded at KMK Metals Recycling Ltd facility on 30-07-09 shows a general trend for all monitoring locations. At low frequencies (20 Hz to 63 Hz) the sound pressure is highest between 50 dB(A) and 70 dB(A). A gradual decrease in sound pressure readings is noted with each increase in frequency bandwidth until the lowest sound pressure approximately between 10 dB(A) and 40 dB(A) is noted for each monitoring location after the 16KHz bandwidth. This charts highlights that primary noise arising at the site boundary and in the surrounding area is primary low frequency range (20 Hz to 63KHz).

At mid to high frequency bandwidth's (400 to 4 KHz) monitoring positions N1, N2, N3 & N4 all located at boundaries of KMK's site displayed very similar sound pressure levels at the low 50s dB(A). These locations are strongly influenced by site activities as they are in the closest proximity to on-going operations and vehicle movements.

N5 monitoring location showed the lowest sound pressure level throughout all frequencies. At this location, noise was less audible and possibly the building at D4 was acting as a noise barrier at this location.

N8 had the highest sound pressure level throughout all frequencies. There were two distinct peaks also for N8 at 40 Hz and 160 Hz (low frequencies). The highest peak exceeded 70 dB(A) at 160Hz. This location was significantly influenced by noise originating at other commercial sites and especially the Modified Motors shop close by.

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N6, positioned near the unloading of LHA's (Cold) for storage to the front of the facility at the D4 yard area, received sound pressure readings between 55 dB(A) and 60 dB(A) at mid frequency bandwidth's. Forklifts operating, the moving of metal and the noise vehicles on the immediate roadway in close proximity to the site boundary along with other general site operations all influenced these mid to high frequency noise readings.

Analysis of the octave frequencies at the KMK Metals Recycling facility show all monitoring stations to have a close relationship across the varying bandwidths. As mentioned the general trend noted is an initial high sound pressure at low frequency (20Hz) with a gradual drop and levelling off in sound pressure at mid frequency (400 Hz to 2KHz) and a sharp drop in sound pressure from 4 kHz to 16 kHz onwards (apart from Stations N1 & N8).

$^1/_3$ Octave Analysis

In this section, all charts of individual noise monitoring locations (N1 to N8) as produced in Appendix A will be discussed.

N1 positioned on the east boundary of the carpark showed an initial peak in the sound pressure of 65 dB(A) at 50 Hz. This was followed by a relatively sharp drop (4 dB(A) in sound pressure at 63 Hz and continuing in gradually after that until a sound pressure of 52 dB(A) was noted from 250Hz to 500 Hz. The sound pressure continued to slightly drop further and the lowest result was at 20kHz with a sound pressure of 35 dB(A). The N1 noise monitoring station was the located close to one of the sites entrance gates and in close proximity to forklift trucks operating located nearby. The nature in sound pressure at this location was gradual with no sharp peaks noticeable and no tones detected.

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N2 positioned on the eastern boundary of the site displayed an initial peak in the sound pressure of 62 dB(A) at 20 Hz. Sound pressure levels then proceeded to drop with an increase in frequency and this continued until the lowest sound pressure was recorded 23 dB(A) at 20 kHz. Specific noise sources recorded at this station included noise from forklift trucks in the yard area, reverse alarms, movement of cages and vehicle movements on the nearby industrial estate road. The nature in sound pressure at this location was gradual with no sharp peaks noticeable and no tones detected.

N3 positioned on the south-western boundary of the facility showed an initial peak in the sound pressure of 63 dB(A) at 40 Hz. This was followed by a sharp drop of 10 dB(A) in sound pressure at 50 Hz. A slight rise in sound pressure levels of 56 dB(A) was noted at 100 Hz and this was followed by a continual and gradual drop in sound pressure of with an increase in frequency throughout the bandwidth spectrum. Noise levels at this location were dominated by the processing operations (CRT plant and associated manual manipulation practices i.e. hammers, drills etc). There was also background noise which was sourced from a radio in the D3 building and loud conversations from workers. The nature in sound pressure at this location was slightly erratic which would explain the CRT processes with a drop in sound pressure from 63 dB(A) to 53 dB(A) from 31.5 Hz to 40 Hz. However, there were no tones detected

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despite this sharp drop as there must be >5 dB difference either side of the peak noise which was not evident.

N4 positioned along the western boundary, shows an initial peak in the sound pressure of 61 dB(A) from 20 to 31.5 Hz. This was followed by a relatively sharp drop, 5 dB(A) in sound pressure, at 40 Hz and continuing in gradually after that until a sound pressure of 48 dB(A) was noted at 100 Hz. There was a slight rise in sound pressure, 52 dB(A), at 160 Hz and followed by a steady sound pressure level of 52 dB(A) from 500 Hz to 1 kHz (mid frequency range). Sound pressure levels proceeded to drop noticeably after this as the frequency scale increased. Monitoring records at station N4 show that most noise source emanated from forklift trucks in operation either loading or unloading trailers and LHA baler use inside D building. There were no tones detected at this location.

N5 positioned to the north-western boundary of the D4 yard area, showed an initial peak in sound pressure of 57 dB(A) at 31.5 Hz. This sound pressure level then proceeded to decrease with an increase in frequency throughout the all frequency bandwidth spectrums. This noise monitoring location showed the lowest noise levels on the day and this was possibly due to barriers effects from D4 building and also a wall and shipment containers placed between D4 yard and DX area. These features of the site effectively were in the line of sight of the noise monitoring location and therefore acted as barriers between the noise monitor and the noise sources (i.e. fork trucks, baler in D etc). There were no tones detected at this location.

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N6 positioned on the western boundary of the D4 building showed a general erratic nature of sound pressure levels throughout the whole frequency spectrum. However, there were no peaks detected. Sound pressure levels were consistently between 60 dB(A) and 51 dB(A) from 20 Hz to 3.15 kHz. Noise was dominated by a varying mixture of traffic both within and outside of the KMK Metal's site. This noise monitoring location was quite loud but typical of industrial estate environments. The nature of sound pressure recorded is not likely result in complaints as there were no peaks detected and therefore no real noticeable noise effects. There were no tones detected at this location.

N7 positioned to the north-western boundary of the proposed E area, showed an initial peak in sound pressure of 63 dB(A) at 31.5 Hz. This sound pressure level then proceeded to decrease to 56 dB(A) at 100 Hz and drop sharply to 50 dB(A) at 125 Hz. From 125 Hz onwards to 20 kHz the sound pressure decreased in a relatively steady fashion. The sharp drop in sound pressure level at 125 Hz is noticeable but did not result in a tone detected. Noise at this locations was dominated by another waste company using this space for large skip set-downs and vehicular noise in the estate.

N8 positioned on the north-east boundary of the proposed E area showed a general erratic nature of sound pressure levels from the low to mid frequency bandwidths. There were two distinct peaks; 69 dB(A) at 40 Hz and 72 dB(A) at 125 Hz. Each peak was followed by a sharp drop in sound pressure level at the next immediate frequency e.g. 72 dB(A) at 125 Hz followed by 63 dB(A) at 160 Hz. A steady sound pressure level of between 58 and 59 d B(A) was noted in the mid to high frequency bandwidth of 1 kHz to 4 kHz. The erratic sound pressure can be explained by the varying noises from neighbouring industrial sites ranging from vehicular types to machinery noises.

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However, there were no tones detected despite this sharp drop as there must be >5 dB difference either side of the peak noise which was not evident.

Overall results for the 1/3 octave analysis at the KMK Metal Recycling facility, show level of noise to be moderate at the boundaries of the facility, with primary noise arising from the movement of forklift trucks associated with unloading of WEEE for processing and LHA's (cold) for storage at the KMK Metals facility. Noise at the proposed E area was dominated by activities from neighbouring sites within the industrial estate.

Conclusions

Environmental noise monitoring was carried out by ENVIROCO Management Ltd at the KMK Metals Recycling Ltd facility situated within the Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly, on the 30th July 2009. Monitoring was requested by Mr. Kurt Kyck of KMK Metals Recycling Ltd as part of the waste licence review application and associated EIS for submission to the Environmental Protection Agency.

Noise monitoring was conducted utilising the Type 1 Bruel Kjaer 2250 SLM with wind muffler noise meter. This monitor operates as a Real Time Analyser (RTA) and Sound Level Meter (SLM), enabling both statistical analysis of the audible noise and breakdown of the sound pressure recorded into frequency bandwidths.

The statistical analysis of the noise at boundary monitoring stations shows that L_{Aeq} levels increase with proximity to the main road. Notes of audible noise sources taken by staff of ENVIROCO Management Ltd. noted that primary noise arising from the activities at the KMK Metals facility were located to the front of the site (northern and western boundaries).

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Statistical analysis of noise at sensitive receivers was lower at stations located east and south of the site. Each of noise monitoring locations except for N5 provided readings which were above the EPA recommended guidelines of 55 dB (A), the highest reading was from the N8 station which was taken to the north-east of the proposed E area and this was associated largely with operations occurring at industrial units in close proximity to the station. A large number of vehicle movements were noted (trucks, cars, jeeps and cars) of which only a very small amount could be associated with the KMK Metals facility. The general operational noise from the site was only slightly audible intermittently at this location.

Octave analysis of the measurements taken at the facility boundaries and at noise sensitive locations, show a general trend for sound pressure to start low at low frequency, increasing gradually to mid-frequency ranges and a peak at higher frequency levels, with an overall reduction in sound pressure levels from the 3.15KHz to 8KHz. There were no tonal components of noise recorded during the day. Overall results for the 1/3 octave analysis at the KMK Metal Recycling facility, show level of noise to be moderate at the boundaries of the facility, with primary noise arising from the movement of forklift trucks associated with unloading of WEEE for processing and LHA's (cold) for storage at the KMK Metals facility. Noise at the proposed E area was dominated by activities from neighbouring sites within the industrial estate.

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Noise monitoring at the KMK Metals Recycling Ltd facility during this event has shown that the noise levels have decreased overall in comparison with the 2008 noise monitoring event. The results of the noise survey show that noise emissions from the KMK Metals facility are not significant and will not have any negative effect of neighbouring businesses.

To date, there have been no nuisance noise emissions or complaints at the facility.

The addition of E area to the site will not result in any significant rise in noise emissions or impact from the activity due to the fact that only waste transport and temporary storage will be occurring at this area. All waste processing will remain within the existing D and A,B,C areas of the waste licence site.

Proposed noise mitigation measures and noise monitoring programmes are discussed in Sections F.1.3 of this application.

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ATTACHMENT J
ACCIDENT PREVENTION & EMERGENCY RESPONSE

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J. Contingency Arrangements

1. Fire

There are no changes planned to the existing waste licence site W0113-03. The Emergency Response Procedures has been updated and can be seen in Appendix J.1.

There will be no immediate fire risk to the new E area as this location will be used for car parking, storage of cages and containers and WEEE awaiting processing/dispatch from the site only. The material will be predominantly WEEE which are not readily flammable materials.

1.1 Firewater run-off

The water used to extinguish a fire (fire-water), will contain dilute quantities of chemicals affected by the fire. Unless the contaminated fire-water can be retained on site, it can cause pollution to surface water, sewers, soil and groundwater. If a significant risk exists for fire-water to leave a site and cause pollution, then a Risk Management Programme must be implemented. This programme will outline the actions that must be taken in order to reduce the risk of fire-water polluting the environment.

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A Risk Management Programme will typically include the implementation of management systems and engineering controls to reduce or eliminate potential hazards or sources of pollution. Engineering techniques to help minimise the spread of fire-water contamination include;

- Underground storage tanks
- Above ground storage tanks
- Mixture of 1 & 2 above
- Cut off valves on sumps
- Absorbent booms and materials

There are no changes planned to the existing waste licence site W0113-03.

2. Spillages

These contingency events will be handled as per the existing waste licence W0113-03.

3. Emergency Equipment Breakdown

These contingency events will be handled as per the existing waste licence W0113-03.

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4. Emergency Contact Numbers

The Emergency Contact Numbers for the KMK Metals facility listed below are located at various points around the site.

EMERGENCY TELEPHONE NUMBERS

Environmental Manager	Charlotte Walker	085 717 3559
Yard Manager	Enda Thornton	087 238 6317
Fire Emergency	112/999	
Tullamore Hospital	057 93 58721	
Gardaí	112/999	
Gardaí Tullamore	057 93 21305	
Offaly County Council (Headquarters)	057 93 46800	
Environment Section	057 93 42895	
Water & Sanitary Services Section	057 93 46890	
EPA (HQ, Wexford)	053 91 60600	
EPA (Kilkenny Regional Office)	056 77 96700	
ESB Emergency	1850 372 999	
GAS Emergency (Leaks Only)	1850 205 050	

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ATTACHMENT K.1
REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

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No changes planned from the existing waste licence W0113-03.

In the event of decommissioning the facility, KMK Metals Recycling Ltd will follow the procedures as defined in their Decommissioning Plan and Environmental Liabilities Risk Assessment which were submitted to the Agency in February 2009. The Decommissioning Plan provides a full inventory of site buildings, plant, raw materials, bunding and underground services (where applicable) and details of waste shipments at the facility. The plan addresses the criteria required for successful closure/clean closure at the facility which would result in no remaining environmental liabilities. Under this plan decontamination of plant was addressed and a project programme outlined which sets out the tasks and timeframes associated with the decontamination and decommissioning of plant and potential areas of liability within the site. A detailed breakdown of the potential value of assets and costs which will arise in the event of closure is also provided in the decommissioning plan. Subsequent to the examination of the overall assets at the facility and taking into account the negative value material and expenditure costs associated with clean closure operations the decommissioning plan concluded that the guarantee bond which KMK Metals Recycling Ltd has in place for approximately €64,000 with Offaly County Council is sufficient to facilitate any predicted or unpredicted costs which may be incurred during and post closure at the facility. In addition, the asset value of the site, materials and machinery/plant is more than adequate to absorb any other legal/business costs that may be incurred for preparation of the site.

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As mentioned above the financial provision currently in the form of a guarantee bond with Offaly County Council is sufficient security for known liabilities which will arise during clean closure at the site.

However, as discussed in detail in the Environmental Liabilities Risk Assessment it is necessary to make provision for any unknown liabilities which may occur at the site. KMK Metals Recycling Ltd is currently insured to the sum of €6.5million for pollution liability. In the event of any unknown environmental liabilities arising at the site, this insurance will cover any remediation costs encountered. Based upon calculations and a Most Likely Scenario Costing it was concluded that the financial provision held by KMK Metals is more than adequate to absorb any costs which may be incurred for remediation. The amount of provision may be required to change due to additions or exclusions of i.e. risks, etc and therefore the amount of provision will be reviewed annually.

Subsequent to the acknowledgement of the Decommissioning Plan and ELRA by the Agency the existing Guarantee Bond lodged with Offaly County Council will be moved to the EPA, since the EPA is the appointed site regulator.

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ATTACHMENT L
STATUTORY REQUIREMENTS

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L. 1 Section 40(4) WMA

Under this section of the WMA, The Agency shall not grant a waste licence unless it is satisfied that the following criteria can be met;

(a) any emissions from the recovery or disposal activity in question ("the activity concerned") will not result in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any other enactment;

KMK Metals Recycling Ltd has operated at the existing site since 2001 under the regulation of various EPA waste licences. There have been no exceedences of any relevant standards during these years. The proposed development of the site will include additional water and air protection measures which will further reduce emissions from the site and thereby not result in any contravention of any relevant standard.

(b) the activity concerned, carried on in accordance with such conditions as may be attached to the licence, will not cause environmental pollution,

There will be no environmental pollution caused as a result of this proposed waste licence review application by virtue of the following; 1) a phased development of the site with additional roof and building structures thereby preventing potential contaminated rain water run-off and dust emissions, 2) additional class 1 interceptor unit for treatment of yard water run-off from the development of E area at the site and 3) surface ground works (concrete and tarmac surface at E area) with installation of weighbridge thereby ensuring faster turnaround of waste movements and control of company operations and 4) continuance of all waste processing and pre-treatment of occur inside buildings at the facility.

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(c) the best available technology not entailing excessive costs will be used to prevent or eliminate or, where that is not practicable, to limit, abate or reduce an emission from the activity concerned

This principal will be adhered to as the company develops the site as detailed above.

(d) if the applicant is not a local authority, the corporation of a borough that is not a county borough, or the council of an urban district, subject to subsection (8), he or she is a fit and proper person to hold a waste licence

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The applicant being Mr Kurt M. Kyck of KMK Metals Recycling Ltd is indeed a fit and proper person to apply for and hold a waste licence. A proven history of compliance and successful waste licence control for the past several years is established by KMK Metals Recycling Ltd at the existing site.

(e) the applicant has complied with any requirements under section 53.

KMK Metals Recycling Ltd has all adequate financial provisions in place to maintaining a proper and compliant waste licence. KMK Metals Recycling Ltd is currently insured to the sum of €6.5million for pollution liability. In the event of any unknown environmental liabilities arising at the site, this insurance will cover any remediation costs encountered. Based upon calculations and a Most Likely Scenario Costing it was concluded that the financial provision held by KMK Metals is more than adequate to absorb any costs which may be incurred for remediation.

Furthermore, KMK Metals Recycling Ltd has in place a financial bond of €64,000 with Offaly County Council in the event of site closure for environmental clean-up.

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L.2 Fit and Proper Person

Mr Kurt M. Kyck of KMK Metals Recycling Ltd is indeed a fit and proper person to apply for and hold a waste licence. There have been no convictions under the Waste Management Acts 1996 to 2003, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987 served to KMK Metals Recycling Ltd.

In relation to technical competence, KMK Metals Recycling Ltd recently surpassed 25 years in waste management of metallic based wastes in Ireland. All wastes are accepted, processed and exported using best practice and technical expertise.

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Appendix 1

D4 Planning Permission

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Comhairle Chontae Uibh Fhaili
Tel: 057 9346800 • Fax: 057 9346868
Website: www.offaly.ie
email: secretar@offalycoco.ie

Offaly County Council
Áras an Chontae,
Charleville Road,
Tullamore,
Co. Offaly.

KMK METALS RECYCLING LTD
C/O WYG IRELAND
OLD BRIDGE HOUSE
STRAND STREET
ATHLONE,
CO. WESTMEATH

WYG IRELAND
9 OCT 2009
RECEIVED

08 /10 / 2009

Re: PL2/09/311

Dear Sir/Madam,

I enclose herewith Grant of Planning Permission in the above.

For your information the following leaflets are also enclosed, the contents of which should be strictly adhered to.

1. Safety and Health on Construction Projects The Role of Clients.
2. Guide to Building Control.
3. Commencement Notice.

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Please note:-

(a) All **Development Contributions must be paid before development commences,** otherwise development will be unauthorised.

(b) A Waste Permit may be required for certain developments. Further information in relation to this is available from the Environment Section, Offaly County Council on (057) 9346895.

(c) Copy of Chief Fire Officer's report (where applicable).

Please remove site notice erected in respect of the above planning application.

Yours sincerely

Administrative Officer (Planning)

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OFFALY COUNTY COUNCIL

PLANNING AND DEVELOPMENT ACTS 2000 - 2006
PLANNING AND DEVELOPMENT REGULATIONS 2001 - 2008

NOTIFICATION OF GRANT

Planning Section
Áras an Chontae
Charleville Road
Tullamore
Co. Offaly

TO: KMK METALS RECYCLING LTD
C/O WYG IRELAND
OLD BRIDGE HOUSE
STRAND STREET
ATHLONE,
CO. WESTMEATH

Planning Register Number: 09/311
Application Receipt Date: 16/07/2009
Further Information Received Date:

Notice is hereby given that in pursuance of the powers conferred upon them by the above-mentioned Acts, Offaly County Council has by order dated 04/09/2009 GRANTED PERMISSION to the above named, for the development of land, in accordance with the documents lodged, namely:-

CONSTRUCTION OF 2 NEW ROOF'S OVER THE EXISTING TRUCKING YARD'S, WITH ONE ROOF COVERING 320SQ.M. AND THE SECOND ROOF COVERING 212 SQ.M. TOTAL COVERAGE 532SQ.M. AND A MAXIMUM HEIGHT OF 7.55M, TOGETHER WITH ALL ASSOCIATED SITE WORKS AT CAPPINCUR INDUSTRIAL ESTATE, DAINGEAN RD, TULLAMORE, CO. OFFALY.

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Subject to the 6 conditions set out in the Schedule attached.
In deciding the planning application the planning authority had regard to submissions or observations received in accordance with the Regulations

Signed on behalf of said Council

Date: 8/10/2009

ADMINISTRATIVE OFFICER

OUTLINE PERMISSION is subject to the permission consequent on the grant of outline permission of the Planning Authority. Until such permission has been obtained to the detailed plans, the proposed development is not authorised.

NOTE: The permission herein granted shall, on the expiration of the period of **FIVE YEARS**, beginning on the date of the granting of permission cease to have effect as regards:-

1 In case of the development to which the permission relates is not commenced during the period the entire development

and

2 In case such development is so commenced, so much thereof as is not completed within that period.

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File Reference: PL2/09/311

Application for permission for construction of 2 new roof's over the existing trucking yard's, with one roof covering 320sq.m. and the second roof covering 212sq.m. total coverage 532sq.m. and a maximum height of 7.55m, together with all associated site works at Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly - KMK Metals Recycling Ltd.

FIRST SCHEDULE

Having regard to the nature and scale and intended use of the development, the issues raised in the planning assessment, site inspection, existing pattern of development in the vicinity, and the current Development Plan, it is considered that, subject to the conditions in schedule two, that the development would not seriously injure the amenities of the area or of property in the vicinity, would not be prejudicial to public health and would otherwise accord with the proper planning and sustainable development of the area.

SECOND SCHEDULE

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1. The development shall be in accordance with plans and particulars submitted on 16/7/2009 except where conditions hereunder specify otherwise.

   Reason: In the interests of proper planning and sustainable development of the area.

2. (a) Any surface water discharged to a natural watercourse shall be via a class 1 oil interceptor. The developer shall submitted details of the existing interceptors installed on-site including details of there capacity for the written approval of the planning authority prior to commencement of any works on-site. The developer shall submit proposals for upgrading if deemed necessary. The development shall be constructed in accordance with these revised particulars.

   (b) All wastes arising from/at the proposed development shall be managed in accordance with the Waste Management Acts 1996 - 2008. While awaiting removal, all waste materials shall be stored in designated areas protected against spillage or leachate run-off.

   (c) Prior to commencement of the development, the developer shall submit a formal "Project Construction and Demolition Waste Management Plan" to the Local Authority for agreement prior to Commencement Notice Stage. "*This report shall include the following as a minimum:*
   Demolition works *- details of waste types arising and estimated, proposed waste segregation, waste contractor to be engaged for each waste stream and final destination for each waste stream.*
   Construction Works *- details of waste management practices to be implemented on the site including proposed segregation levels, if any, waste receptacles to be used, waste contractor to be engaged for each waste stream and final destination for each waste stream.*

Contd...../

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(d) Any environmental nuisance i.e. excessive noise, dust, construction traffic, caused during construction of the development is contained at an acceptable level and during normal construction working hours. 07.00am to 06.30pm Monday to Friday and 08.00am to 01.30pm Saturday.

(e) Noise emissions at the nearest noise sensitive location(such as dwellings, schools, places of worship or areas of high amenity) shall not exceed the following:

i.	LAeq (60 minutes)	55dB(A)	08.00 to 20.00.
ii.	LAeq (15 minutes)	45dB(A)	20.00 to 08.00.

(f) Audible tonal or impulsive components should be minimised at any noise sensitive location.

Reason: In the interests of public health.

3. Prior to commencement of development, a contribution shall be payable to Offaly County Council, in accordance with the Council's Development Contribution Scheme, in respect of public infrastructure and facilities benefiting development in County Offaly, excluding Birr and Tullamore Town Council area, that is provided or that is intended will be provided by, or on behalf of, the Council.

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The contribution payable will be based on the contribution rate applicable at the time of payment and not the rate in existence when permission is granted. The amount of the development contribution is set out below and is subject to annual revision with reference to the Wholesale Price Index (Building and Construction), and interest for late payment, in accordance with the terms of the Council's Development Contribution Scheme:-

Class of Infrastructure	***Amount of Contribution***
Category F	
Storage and Warehousing:	€27.50 per sq metre x 532 sq metres
Total	**€14,630**

Reason: It is considered reasonable that the developer should contribute towards the expenditure incurred or proposed to be incurred by Offaly County Council in respect of the provision/improvement of public services/infrastructure benefiting development in the area of the Planning Authority.

4. Prior to commencement of the development the developer shall submit for the written agreement and consent of the planning authority a legal agreement for a ten metre way leave running east west across the yard to facilitate the proposed new foul sewer. This wayleave shall be provided for on site.

Reason: In the interests of orderly development and public health.

Contd...../

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5. All external finishes of the proposed roofs shall be consistent with those of the existing building.

   Reason: In the interest of visual amenity.

6. Surface water run off shall not flow onto the public roadway or other adjoining properties.

   Reason: In the interest of amenity and public health.

****

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Appendix 2

Offaly County Council Letter

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Comhairle Chontae Uibh Fhaili
Tel: 057 9346800 • Fax: 057 9346868
Website: www.offaly.ie
email: secretar@offalycoco.ie

Offaly County Council
Áras an Chontae,
Charleville Road,
Tullamore,
Co. Offaly.

Niall Nally
Senior Environmental Consultant
Enviroco
Bow House
O Moore Street
Tullamore
Co. Offaly.

04/08/2009

Re: Scoping for proposed Environmental Impact Statement in relation to a proposed Waste Licence Review Application to the Environmental Protection Agency for KMK Metals Recycling Ltd, Cappincur Industrical Estate, Daingean Road, Tullamore.

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Dear Sir

I refer to your letter dated 06/07/2009 in relation to an application for KMK Metals at Daingean Road, Tullamore.

I wish to advise that the preparation and undertaking of an EIS should be done in accordance with Part 10 of the Planning and Development Regulations 2001 – 2007.

Outside of this, the Planning Authority is not in a position to request information over and beyond the minimum required. However, as this application will be assessed on its merits, any queries that may arise, may be sought to be addressed by the Planning Authority at that time.

Yours faithfully

Administrative Officer
Planning Section.

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Appendix 3

Newspaper Notice

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Public Notices

Comhairle Chontae Uibh Fhaili
OFFALY
COUNTY COUNCIL

ROADS ACT 1993 – NOTICE OF DECISION

TEMPORARY CLOSING OF A SECTION OF L-1024 TINNYCROSS ROAD, COUNTY OFFALY

The Council gives notice of its decision to close, temporarily the following road in accordance with Section 75 of the Roads Act 1993 (S.I. 197 of 1993) and the Roads Regulation 1994.

L-1024 Tinnycross road from its junction with the Ballydaly road (L-1025) to its junction with the Ballynamona (L-2003) road at Derrygolan Bridge.

The road will be closed for a period of two days on 8th and 9th October 2009.

The road closure is necessary to facilitate the construction of a new junction with the Tullamore Bypass.

Alternative Route is as follows:

Vehicles travelling towards Tullamore from north of Tinnycross shall be diverted along the L-2003 road through Ballynamona and on to the N52 at Gormagh.

Vehicles travelling towards Tinnycross from Tullamore, shall be diverted from Kilbeggan Bridge along the N52 to Gormagh and then on to the L-2003 through Ballynamona.

Offaly County Council regrets any inconvenience to road users but the closures are necessary.

Frank Heslin
Director of Services
Transportation and Emergency Services.

NRA National Roads Authority | EXCELLENCE THROUGH PEOPLE STANDARD | NDP National Development Plan 2007 - 2013

transport21 progress in motion | Athlone Tullamore Mullingar | offaly.ie your community online

Comhairle Chontae Uibh Fhaili
OFFALY
COUNTY COUNCIL

NOTICE

DERRYCLURE LANDFILL
Construction & Demolition Waste (C&D)

Mixed C&D Waste - €70 per tonne
From **12th October 2009,** mixed C&D waste will be charged at a rate of €70 per tonne.

Payment options: Laser or Credit Card
Landfill ticket for the vehicle/trailer type

Clean C&D Waste – Free of Charge
Offaly County Council will continue to accept **CLEAN/SEGREGATED C&D waste** materials free of charge for recovery on site.

Materials accepted: segregated **Concrete, Bricks, Tiles, Clay.**

NOTE: All clean/segregated loads must be notified in advance to the Landfill at (057) 9357423. Loads may be inspected prior to acceptance for recovery on site.

Annual Audit

Notice is hereby given that the audit of the accounts, of the above named local authority, for the financial year ended 31st December 2008 will be commenced by Ms Fiona Clancy, Local Government Auditor on the 19th October 2009. Objections to any matter contained in the said several accounts will be heard by the Local Government Auditor during the audit.

Written notice of any proposed objection, setting out the relevant particulars and grounds on which it is to be made, should be sent to the above named Local Government Auditor at Offaly County Council within ten days of the commencement of the audit. The accounts will be open during office hours for the inspection of all persons interested for seven days before the commencement of the audit.

D. Conlon, Head of Finance
Offaly County Council

Planning

BIRR TOWN Council.
We Central Auctions wish to apply to the above authority for planning permission for change of use of a section of Birr Mart. The change of use is from a 309.2m commercial store to a retail unit. The planning application also includes the construction of a new entrance and windows on the front elevation, the construction of internal walls, the blocking up of existing windows on the rear elevation and all associated works at Birr Mart, Townspark, Pound Street, Birr, Co.Offaly
The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority during its public opening hours. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee (E20) within the period of 5 weeks beginning on the date of receipt by the authority of the application.

Planning

TULLAMORE TOWN COUNCIL
We, Offaly GAA County Board, intend to apply for Planning Permission for development at O'Connor Park, Arden Road, Tullamore, Co. Offaly. The development will consist of demolition of existing east end concrete boundary wall adjacent to Thornsberry Lane and the construction of a new reinforced concrete retaining wall to a new maximum height of 4.25m above existing footpath level at the same position and amendments to previously granted permission PD 09/09 which will consist of alterations to the layout of the TV area at third floor level. The planning application may be inspected or purchased at the offices of the Planning Authority and a submission or observation in relation to the application may be made in writing to the planning authority on payment of a fee of 20 within the period of five weeks beginning on the date of receipt by the authority of the application.

Planning

NORTH TIPPERARY County Council. Application by Pat and Lesley Devlin for permission to erect dormer dwelling house, create new entrance, install waste water system together with associated siteworks at Bawnadrum North, Roscrea. The planning application may be inspected or purchased at the offices of the planning authority, Civic Offices, Limerick Road, Nenagh, during its public opening hours. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee, within the period of 5 weeks beginning on the date of receipt by the authority of the application.

NORTH TIPPERARY County Council. I Liam McGrath wish to apply to the above authority for Full Planning Permission for new Agricultural Building for the storage of Farm Machinery and all associated site works at Ashbury, Roscrea, Co. Tipperary. This planning application may be inspected or purchased at the Office of the Planning Authority, Civic Offices, Limerick Rd, Nenagh, during it's public opening hours. Submissions or observations in relation to the application (which must be accompanied by a fee of Euro20) may be made in writing to the Planning Authority within a period of 5 weeks, beginning on the date of receipt by the authority of the application.

NORTH TIPPERARY County Council. Application by (Mr & Mrs John Hanlon for permission to retain unauthorised developments consisting of:
- revisions to house location and design, including increased floor area and garage to living accomodation
- revised entrance location,
- revised fuel shed location and private wastewater treatment system
- domestic garage

together with associated sueworks at Longford, Clonakenny.
The planning application may be inspected or purchased at the offices of the planning authority, Civic Offices, Limerick Road, Nenagh, during its public opening hours. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee, within the period of 5 weeks beginning on the date of receipt by the authority of the application.

Planning

OFFALY COUNTY Council I, Sam Deverell intend applying for full planning permission to provide facilities and land for caravanning and camping to reconfigure existing shop to provide shower and laundry facilities and all associated site works at Crosskeys, Annagharvey, Tullamore, Co. Offaly. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices of the Planning Authority during its public opening hours. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee (20) within the period of 5 weeks beginning on the date of receipt by the authority of the application.

OFFALY COUNTY COUNCIL
I, Jane McBride, intend to apply for retention permission for development at Laurel Lodge, Tinnamuck, Moate, Co. Westmeath, the development will consist of retention of garage, storage, shed as constructed.
The planning application may be inspected, or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority during its public opening hours. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee (20) within the period of 5 weeks beginning on the date of receipt by the authority of the application.

OFFALY COUNTY COUNCIL. We Daingean Parish intend to apply for permission for development at Mary mother of god church, Daingean, Co. Offaly which is a protected structure (RPS No. 358) the development will consist of the removal of all the existing roofing tiles, battens and felt and to install new battens, felting and roofing tile throughout and all associated site works. The planning application may be inspected, or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority during its public opening hours. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee (20) within the period of 5 weeks beginning on the date of receipt by the authority of the application.

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Clareen Group Water Scheme LTD.
A. G. M. in Community Hall, Clareen
On Monday 12th October 2009
At 8 p.m.
All members welcome

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR THE REVIEW OF A WASTE LICENCE.

Notice is hereby given in accordance with the provisions of the Waste Management Acts 1996 to 2008, and the Waste Management (licensing) Regulations, 2004 that KMK Metals Recycling Ltd, Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly will apply to the Environmental Protection Agency (EPA), Johnstown Castle Estate, County Wexford for a Review of their Waste Licence. The licence review application relates to the operation of a hazardous and non hazardous metal waste transfer facility located at Cappincur Industrial Estate, Daingean Road, Tullamore, Co Offaly (National Grid Reference: E635890 N725043) The licence review is required for the purpose of increasing the current waste acceptance of 20,000 tonnes per year to a maximum of 35,000 tonnes per year and to incorporate additional land area within the waste licence site.

The principal class of activity to be carried out by KMK Metals Recycling Ltd as defined by the Waste Management Act, 1996 to 2008, is;

Class 13 of the Fourth Schedule: *Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.*

Other activities to be carried out on site include;

Class 3 of the Fourth Schedule: *Recycling or reclamation of metals and metal compounds.*

Class 4 of the Fourth Schedule: *Recycling or reclamation of other inorganic materials.*

Class 6 of the Fourth Schedule: *Recovery of components used for pollution abatement.*

Class 7 of the Fourth Schedule: *Recovery of components from catalysts*

Class 11 of the Fourth Schedule: *Use of waste obtained from any activity referred to in a preceding paragraph of this schedule.*

Class 12 of the Fourth Schedule: *Exchange of waste for submission to any activity referred to in a preceding paragraph of this schedule.*

An Environmental Impact Statement (EIS) will be submitted to the Agency along with this waste licence review application.

A copy of the waste licence review application, the Environmental Impact Statement and further information relating to the review as may be furnished by the Agency in the course of the Agency's consideration of the application, will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the offices of the **Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford during office hours.**

West and South Offaly Rural Transport

West and South Offaly rural transport programme is a community transport project established in 2002 in Banagher, co-ordinated through Offaly local development company.

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Client Name: Offaly County Council 26-07-2013: 10:57:51

Appendix 4A

EWC Codes Household Waste

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EWC Codes	Waste Description
20 01 21*	Fluorescent tubes and other mercury containing waste
20 01 23*	Discarded equipment containing chlorofluorocarbons
20 01 33*	Batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing this batteries
20 01 34	Batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 40	Metals
20 01 99	Other fractioins not otherwise specified

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Appendix 4B

EWC Codes Other Waste

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EWC Codes	Waste Description
01 03 05*	Other tailings containing dangerous substances
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 07*	Wastes from physical and chemical processing of non-metalliferous minerals
01 03 08	Dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	Red mud from the alumina production other than those mentioned in 01 03 07
01 04 07*	waste containing dangerous substances from physical and chemical processing of non-metalliferous minerals
01 03 99	Wastes not otherwise specified
01 04 09	Waste sand and clays
01 04 10	Dusty and powdery wastes other than those mentioned in 01 04 07
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 99	Waste not otherwise specified
02 01 10	Waste metal
02 01 99	Waste not otherwise specified
05 01 09*	Sludges from on-site effluent treatment containing dangerous substances
05 01 10	Sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 14	Waste from cooling columns
05 01 15*	Spent filter clays
05 01 99	Waste not otherwise specified
05 07 01*	Wastes containing mercury
06 01 01*	Sulphuric acid and sulphurous acid
06 01 02*	Hydrochloric acid
06 01 03*	Hydrofluoric acid
06 01 04*	Phosphoric and phosphorous acid
06 01 05*	Nitric acid and nitrous acid
06 01 06*	Other acids
06 01 99	Wastes not otherwise specified
06 02 01*	Calcium hydroxide
06 02 04*	Sodium and potassium hydroxide
06 02 05*	Other bases
06 03 11*	Salts and solutions containing cyanides
06 03 13*	Salts and solutions containing heavy metals
06 03 14	Solid salts and solution other than those mentioned in 06 03 11 and 06 03 13
06 03 16	Metallic oxides other than those mentioned in 06 03 15
06 03 99	Waste not otherwise specified
06 04 03*	Wastes containing arsenic
06 04 04*	Wastes containing mercury
06 04 05*	Wastes containing other heavy metals
06 04 99	Wastes not otherwise specified
06 05 02*	Sludges from on-site effluent treatment containing dangerous solutions
06 05 03	Sludges from on-site effluent treatment other than those mentioned in 06 05 02
06 05 02*	Wastes containing dangerous sulphides
06 06 03	Wastes containing sulphides other than those mentioned in 06 06 02
06 06 99	Wastes not otherwise specified
06 08 02*	Wastes containing dangerous silicones

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06 08 99	Wastes not otherwise specified
06 11 01	Calcium-based reaction wastes from titanium dioxide production
06 11 99	Wastes not otherwise specified
06 13 02*	Spent activated carbon (except 06 07 02)
06 13 03	Carbon black
06 13 99	Wastes not otherwise specified
07 01 09*	Halogenated filter cakes and spent absorbents
07 01 10*	Other filter cakes, spent absorbents
07 01 11*	Sludges from on-site effluent treatment containing dangerous substances
07 01 12	Sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 01 09*	Wastes not otherwise specified
07 02 09*	Halogenated filter cakes, spent absorbents
07 02 10*	Other filter cakes, spent absorbents
07 02 11*	Sludges from on-site effluent treatment containing dangerous substances
07 02 12	Sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13	Waste plastic
07 02 99	Wastes not otherwise specified
07 03 09*	Halogenated filter cakes and spent absorbents
07 03 10*	Other filter cakes, spent absorbents
07 03 11*	Sludges from on-site effluent treatment containing dangerous substances
07 03 12	Sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 03 99	Wastes not otherwise specified
07 04 09*	Halogenated filter cakes and spent absorbents
07 04 10*	Other filter cakes, spent absorbents
07 04 11*	Sludges from on-site effluent treatment containing dangerous substances
07 04 12	Sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 04 13*	Solid wastes containing dangerous substances
07 04 99	Wastes not otherwise specified
07 05 09*	Halogenated filter cakes and spent absorbents
07 05 10*	Other filter cakes, spent absorbents
07 05 11*	Sludges from on-site effluent treatment containing dangerous substances
07 05 12	07 05 12 Sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 13*	Solid wastes containing dangerous substances
07 05 14	Solid wastes other than those mentioned in 07 05 13
07 05 99	Wastes not otherwise specified
07 06 09*	Halogenated filter cakes and spent absorbents
07 06 10*	Other filter cakes, spent absorbents
07 06 11*	Sludges from on-site effluent treatment containing dangerous substances
07 06 12	Sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 06 99	Wastes not otherwise specified
07 07 09*	Halogenated filter cakes, spent absorbents
07 07 10*	Other filter cakes, spent absorbents
07 07 11*	Sludges from on-site effluent treatment containing dangerous solutionsl
07 07 12	Sludges from on-site effluent treatment other than those mentioned in 07 07 11
07 07 99	Wastes not otherwise specified
08 01 17*	Wastes from paint or varnish removal containing organic solvents or dangerous substances

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08 01 18	Wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 99	Wastes not otherwise specified
08 02 01	Waste coating powders
08 02 02	Aqueous sludges containing ceramic materials
08 02 03	Aqueous suspensions containing ceramic materials
08 02 99	Wastes not otherwise specified
08 03 12*	Waste ink containing dangerous substances
08 03 13	Waste ink other than those mentioned in 08 03 12
08 03 17*	Waste printing toner cartridges containing dangerous substances
08 03 18	Waste printing toner other than those mentioned in 08 03 17
08 03 99	Wastes not otherwise specified
09 01 04*	Fixed solutions
09 01 06*	Waste containing silver from on-site treatment of photographic wastes
09 01 07	Photographic film and paper containing silver or silver compounds
09 01 08	Photographic film and paper free of silver or silver compounds
09 01 10	Single-use cameras without batteries
09 01 11*	Single-use cameras containing batteris included in 16 06 01, 16 06 02 or 16 06 03
09 01 12	Single-use cameras containing batteries other than those mentioned in 09 01 11
09 01 99	Wastes not otherwise specified
10 01 01	Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 05	Calcium based reaction wastes from flue gas desulphurisation in solid form
10 01 07	Calcium based reaction wastes from flue gas desulphurisation in sludge form
10 01 14*	Bottom ash, slag and boiler dust from co-incineration containing dangerous substances
10 01 15	Bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 16*	Fly ash from co-incineration containing dangerous substances
10 01 17	Fly ash from co-incineration other than those mentioned in 10 01 16
10 01 18*	Wastes from gas cleaning containing dangerous substances
10 01 19	Wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 20*	Sludges from on-site effluent treatment containing dangerous substances
10 01 21	Sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 22*	Aqueous sludges from boiler cleansing containing dangerous substances
10 01 23	Aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	Sands from fluidised beds
10 01 99	Wastes not otherwise specified
10 02 13*	Sludges and filter cakes from gas treatment containing dangerous substances
10 02 14	Sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	Other sludges and filter cakes
10 02 99	Wastes not otherwise specified
10 03 02	Anode scraps
10 03 04*	Primary production slags
10 03 05	Waste alumina
10 03 15*	Skimmings that are flammable and emit, upon contact with water, flammable gases in dangerous quantities
10 03 16	Skimmings other than those mentioned in 10 03 15

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10 03 18	Carbon-containing waste from anode manufacture other than those mentioned in 10 03 17
10 03 19*	Flue gas dust containing dangerous substances
10 03 20	Flue-gas dust other than those mentioned in 10 03 19
10 03 21*	Other particulates and dust (including ball-mill dust) containing dangerous substances
10 03 22	Other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 23*	Solid wastes from gas treatment containing dangerous substances
10 03 24	Solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 25*	Sludges and filter cakes from gas treatment containing dangerous substances
10 03 26	Sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 99	Wastes not otherwise specified
10 04 01*	Slags from primary and secondary production
10 04 02*	Dross and skimmings from primary and secondary production
10 04 03*	Calcium arsenate
10 04 04*	Flue gas dust
10 04 05*	Other particulates and dust
10 04 06*	Solid waste from gas treatment
10 04 07*	Sludges and filter cakes from gas treatment
10 04 99	Wastes not otherwise specified
10 05 01	Slags from primary and secondary production
10 05 03*	Flue-gas dust
10 05 04	Other particulates and dust
10 05 05*	Solid waste from gas treatment
10 05 06*	Sludges and filter cakes from gas treatment
10 05 10*	Dross and skimmings that are flammable and emit, upon contact with water, flammable gases in dangerous quantities
10 05 11	Dross and skimmings other than those mentioned in 10 05 10
10 05 99	Wastes not otherwise specified
10 06 01	Slags from primary and secondary production
10 06 02	Dross and skimmings from primary and secondary production
10 06 03*	Flue gas dust
10 06 04	Other particulates and dust
10 06 06*	Other particulates and dust
10 06 07*	Sludges and filter cakes from gas treatment
10 06 99	Wastes not otherwise specified
10 07 01	Slags from primary and secondary production
10 07 02	Dross and skimmings from primary and secondary production
10 07 03	Solid wastes from gas treatment
10 07 04	Other particulates and dust
10 07 05	Sludges and filter cakes from gas treatment
10 07 99	Wastes not otherwise specified
10 08 04	Particulates and dust
10 08 09	Other slags
10 08 10*	Dross and skimmings that are flammable and emit, upon contact with water, flammable gases in dangerous quantities
10 08 11	Dross and skimmings other than those mentioned in 10 08 10

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10 08 13	Carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	Anode scrap
10 08 15*	Flue gas dust containing dangerous substances
10 08 16	Flue-gas dust other then those mentioned in 10 08 15
10 08 17*	Sludges and filter cakes from gas treatment containing dangerous substances
10 08 18	Sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 99	Wastes not otherwise specified
10 09 03	Furnace slag
10 09 05*	Casting cores and moulds which have not undergone pouring containing dangerous substances
10 09 06	Casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 07*	Casting cores and moulds which have undergone pouring containing dangerous substances
10 09 08	Casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 09*	Flue gas dust containing dangerous substances
10 09 10	Flue-gas dust other then those mentioned in 10 09 09
10 09 11*	Other particulates containing dangerous substances
10 09 12	Other particulates other than those mentioned in 10 09 11
10 09 13*	Waste binders containing dangerous substances
10 09 14	Waste binders other than those mentioned in 10 09 13
10 09 99	Wastes not otherwise specified
10 10 03	Furnace slag
10 10 05*	Casting cores and moulds which have not undergone pouring containing dangerous substances
10 10 06	Casting cores and moulds which have not undergone pouring other than those mentioned in 10 10 05
10 10 07*	Casting cores and moulds which have undergone pouring containing dangerous substances
10 10 08	Casting cores and moulds which have undergone pouring other than those mentioned in 10 10 07
10 10 09*	Flue gas dust containing dangerous substances
10 10 10	Flue-gas dust other then those mentioned in 10 10 09
10 10 11*	Other particulates containing dangerous substances
10 10 12	Other particulates other than those mentioned in 10 10 11
10 10 13*	Waste binders containing dangerous substances
10 10 14	Waste binders other than those mentioned in 10 10 13
10 10 99	Wastes not otherwise specified
10 11 09*	Waste preparation mixture before thermal processing containing dangerous substances
10 11 10	Waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 11*	Waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)
10 11 12	Waste glass other than those mentioned in 10 11 11
10 11 99	Wastes not otherwise specified
10 12 01	Wastes from glazing containing heavy metals
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)

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10 12 12	Waste from glazing other than those mentioned in 10 12 11
10 12 99	Wastes not otherwise specified
10 14 01*	Waste from gas cleaning containing mercury
11 01 05*	Pickling acids
11 01 06*	Acids not otherwise specified
11 01 07*	Pickling bases
11 01 08*	Phosphatising sludges
11 01 09*	Sludges and filter cakes containing dangerous substances
11 01 10	Sludges and filter cakes other than those mentioned in 11 01 99
11 01 15*	Eluate and sludges from membrane systems or ion exchange systems containing Dangerous substances
11 01 16*	Saturated or spent ion exchange resins
11 01 98*	Other wastes containing dangerous substances
11 01 99	Wastes not otherwise specified
11 02 02*	Sludges from zinc hydrometallurgy (including jarosite, goethite)
11 02 03	Wastes from the production of anodes for aqueous electrolytical processes
11 02 05*	Wastes from copper hyrometallurgical processes containing dangerous substances
11 02 06	Wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 02 07*	Other wastes containing dangerous substances
11 02 99	Wastes not otherwise specified
11 05 01	Hard zinc
11 05 02	Zinc ash
11 05 03*	Solid wastes from gas treatment
11 05 99	Wastes not otherwise specified
12 01 01	Ferrous metal filings and turnings
12 01 02	Ferrous metals dust particles
12 01 03	Non-ferrous metal filings and turnings
12 01 04	Non-ferrous metal dust and particles
12 01 05	Plastics shavings and turnings
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	Synthetic machining oils
12 01 12*	Spent waxes and fats
12 01 13	Welding wastes
12 01 14*	Machining sludges containing dangerous substances
12 01 15	Machining sludges other than those mentioned in 12 01 14
12 01 16*	Waste blasting material containing dangerous substances
12 01 17	Waste blasting material other than those mentioned in 12 01 16
12 01 18*	Metal sludge (grinding, honing and lapping sludge) containing oil
12 01 20*	Spent grinding bodies and grinding materials containing dangerous substances
12 01 21	Spent grinding bodies and grinding materials other than those mentioned in 12 01 20
12 01 99	Wastes not otherwise specified
14 06 01*	Chlorofluorocarbons, HCFC, HFC
14 06 02*	Other halogenated solvents and solvent mixtures
14 06 03*	Other solvents and solvent mixtures

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14 06 04*	Sludges or solid wastes containing halogenated solvents
14 06 05*	Sludges or solid wastes containing other solvents
15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging
15 01 03	Wooden packaging
15 01 04	Metallic packaging
15 01 05	Composite packaging
15 01 06	Mixed packaging
15 01 07	Glass packaging
15 01 09	Textile packaging
15 01 10*	Packaging containing residues of or contaminated by dangerous substances
15 01 11*	Metallic packaging containing a dangerous solid porous matrix (for example Asbestos), including empty pressurised containers
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16 01 08*	Components containing mercury
16 01 12	Brake pads other than those mentioned in 16 01 11
16 01 17	Ferrous metal
16 01 18	Non-ferrous metal
16 01 21*	Hazardous components other than those mentioned in 16 01 07 to 16 01 11 And 16 01 13 and 16 01 14
16 01 22	Components not otherwise specified
16 01 99	Waste not otherwise specified
16 02 09*	Transformers and capacitors containing PCBs
16 02 10*	Discarded equipment containing or contaminated by PCBs other than Those mentioned in 16 02 09
16 02 11*	Discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 12*	Discarded equipment containing free asbestos
16 02 13*	Discarded equipment containing hazardous components 16 other than those mentioned in 16 02 09 to 16 02 12
16 02 14	Discarded equipment other than those mentioned in 16 02 09 and 16 02 13
16 02 15*	Hazardous components removed from discarded equipment
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15
16 03 03*	Inorganic wastes containing dangerous substances
16 03 04	Inorganic wastes other than those mentioned in 16 03 03
16 03 05*	Organic wastes other than those mentioned in 16 03 05
16 03 06	Organic wastes other than those mentioned in 16 03 05
16 05 04*	Gases in pressure containers (including halons) containing dangerous substances (e.g. old fire extinguishers)
16 05 05	Gases in pressure containers other than those mentinoed in 16 05 04
16 06 01*	Lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	Mercury containing batteries
16 06 04	Alkaline batteries (except 16 06 03)
16 06 05	Other batteries and accumulators
16 06 06*	Separately collected electrolyte from batteries and accumulators
16 08 01	Spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinium except 16 08 07

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16 08 02*	Spent catalysts containing dangerous transition metal 17 or dangerous Transition metal compounds
16 08 03	Spent catalysts containing transition metals of transition metal compounds not otherwise specified
16 08 04	Spent fluid catalytic cracking catalysts except 16 08 07
16 08 05*	Spent catalysts containing phosphoric acid
16 08 06*	Spent liquids used as catalysts
16 08 07*	Spent catalysts contaminated with dangerous substances
16 10 01*	Aqueous liquid wastes containing dangerous substances
16 10 02	Acqueous liquid wastes other than those mentioned in 16 10 01
16 10 03*	Aqueous concentrates other than those mentioned in 16 10 03
16 10 04	Acqueous concentrates other than those mentioned in 16 10 03
16 11 01*	Carbon-based linings and refractories from metallurgical processes Containing dangerous substances
16 11 02	Carbon-based linings and refractories from metallurgical processes other than those mentioned in 16 11 01
16 10 03*	Other linings and refractories from metallurgical processes Containing dangerous substances
16 11 04	Other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 05*	linings and refractories from non-metallurgical processes Containing dangerous substances
16 11 06	Other linings and refractories from non-metallurgical processes other than those mentioned in 16 11 05
17 04 01	Copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	Iron and steel
17 04 06	Tin
17 04 07	Mixed metals
17 04 09*	Metal waste contaminated with dangerous substances
17 04 10*	Cables containing oil, coal tar and other dangerous substances
17 04 11	Cables other than those mentioned in 17 04 10
17 09 01*	Construction and demolition waste containing mercury
18 01 10*	Amalgam waste from dental care
19 01 05*	Filter cake from gas treatment
19 01 06*	Aqueous liquid wastes from gas treatment and other aqueous liquid wastes
19 01 07*	Solid wastes from gas treatment
19 01 10*	Spent activated carbon from flue gas treatment
19 01 11*	Bottom ash and slag containing dangerous substances
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11
19 01 13*	Fly ash containing dangerous substances
19 01 14	Fly ash other than those mentioned in 19 01 13
19 01 15*	Boiler ash containing dangerous substances
19 01 16	Boiler ash other than those mentioned in 19 01 15
19 01 17*	Pyrolysis wastes containing dangerous substances
19 01 18	Pyrolysis of waste other than those mentioned in 19 01 17
19 01 19	Sands from fluidised beds
19 01 99	Wastes not otherwise specified
19 02 03	Premixed wastes composed only of non-hazardous wastes

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19 02 04*	Premixed wastes composed of at least on hazardous waste
19 02 05*	Sludges from physico/chemical treatment containing dangerous substances
19 02 06	Sludges from physical/chemical treatment other than those mentioned in 19 02 05
19 02 11*	Other wastes containing dangerous substance
19 02 99	Wastes not otherwise specified
19 03 04*	Wastes marked as hazardous, partly stabilised
19 03 05	Stabilised wastes other than those mentioned in 19 03 04
19 03 06*	Wastes marked as hazardous, solidified
19 03 07	Solidified wastes other than those mentioned in 19 03 06
19 04 01	Vitrified waste
19 08 06*	Saturated or spent ion exchange resins
19 08 08*	Membrane system waste containing heavy metals
19 08 99	Wastes not otherwise specified
19 09 04	Spent activated carbon
19 09 05	Saturated or spent ion exchange resins
19 10 01	Iron and steel waste
19 10 02	Non-ferrous waste
19 10 03*	Fluff-light fraction and dust containing dangerous substances
19 10 04	Fluff-light fraction and dust other than those mentioned in 19 10 0
19 10 05*	Other fractions containing dangerous substances
19 10 06	Other fractions other than those mentioned in 19 10 05
19 12 01	Paper and cardboard
19 12 02	Ferrous metal
19 12 03	Non-ferrous metal
19 12 04	Plastic and rubber
19 12 05	Glass
19 12 07	Wood other than that mentioned in 19 12 06
19 12 09	Minerals (for example sand, stones)
19 12 11*	Other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances
19 12 12	Other wastes (including mixtures of minerals from the mechanical treatment of wastes other than those mentioned

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