



Waste Licence Application Form

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EPA Ref. N^o: <i>(Office use only)</i>	<input type="text"/>
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This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Act 1996, as amended.

Environmental Protection Agency
P.O.Box 5000, Johnstown Castle Estate, County Wexford
Telephone: 053-9160600 Fax: 053-9160699

Tracking Amendments to Application Form

Version No.	Date	Amendment since previous version	Reason
V.1	04/09/2012	Amended various sections to take account of the requirements of the European Communities (Waste Directive) Regulations 2011.	To accurately reflect the new requirements in the Regulations which transpose the Waste Framework Directive 2008/98/EC.
V.1	04/09/2012	Amended Section E.5 Noise Emissions, I.7 Noise Impact, Table E.5.(i) and Table I.7.(i) to take account of the document Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4) (2012).	To accurately reflect the changes in the document Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4) (2012).
V.1	04/09/2012	Amended Section B.3 to take account of the requirements of European Union (Environmental Impact Assessment) (Integrated Pollution Prevention and Control) Regulations 2012 (SI No 282 of 2012); in terms of Environmental Impact Assessment under the Environmental Impact Assessment Directive (Council Directive 2011/92/EU on the assessment of the effects of certain public and private projects on the environment). Update references to new legislation	To accurately reflect the European Union (Environmental Impact Assessment) (Integrated Pollution Prevention and Control) Regulations 2012 (SI No 282 of 2012) requirements. To reflect changes in legislation



WASTE Application Form

Environmental Protection Agency
Application for a Waste Licence

WASTE MANAGEMENT ACT 1996, as amended

CONTENTS

	Page
INTRODUCTION	4
CHECKLIST	5
PROCEDURES	11
SECTION A NON-TECHNICAL SUMMARY	13
SECTION B GENERAL	14
SECTION C MANAGEMENT OF THE FACILITY	24
SECTION D INFRASTRUCTURE & OPERATION	25
SECTION E EMISSIONS	30
SECTION F CONTROL & MONITORING	32
SECTION G RESOURCES USE & ENERGY EFFICIENCY	35
SECTION H MATERIALS HANDLING	36
SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY	40
SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE	43
SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE	44
SECTION L STATUTORY REQUIREMENTS	45
SECTION M DECLARATION	47
ANNEX 1: STANDARD FORMS	48
ANNEX 2: ATTACHMENTS	73

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.

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.

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	Page 14	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Page 16	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (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	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (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	Page 15	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (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,

WASTE Application Form

LOCATION	Attachments B6 & B7	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(f) specify the class or classes of activity concerned, in accordance with the Third and Fourth Schedules of the Act¹ 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	Page 36	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(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	Page 36	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Attachment G2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Attachment B7	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(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 L1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

¹ Note that the Third and Fourth Schedules of the Act were amended by the European Communities (Waste Directive) Regulations, 2011.

WASTE Application Form

(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	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(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	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Attachment C1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(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	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

WASTE Application Form

(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 L2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(r) in the case of an application in respect of the land filling 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 Applicable – No Landfill involved	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Not Applicable – No Landfill involved	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(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 Applicable – No dangerous substance involved	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(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 Applicable- No emissions involved	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

WASTE Application Form

(t bis) describe in outline the main alternatives, if any, to the proposals contained in the application which were studied by the applicant,

LOCATION	Attachment L3	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(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 A1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(v) describe how the waste hierarchy in section 21A of the Act is applied.

LOCATION	Attachment L3	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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 B6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Attachment B6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Attachment B6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(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,

WASTE Application Form

LOCATION	Attachment D1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Not Applicable – No emissions	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Not Applicable – No emissions	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

INCLUDED Y/N	Yes	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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/N	Yes	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

CD OF PDF FILES PROVIDED? Y/N	Yes	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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/N	No	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
3 HARD COPIES OF EIS INCLUDED ? Y/N	No	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
16 CD versions of EIS, as PDF files, PROVIDED? Y/N	No	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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.

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 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 Act 1996, as amended.

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 Act 1996, as amended.

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.*

The provision of information in an application for a waste licence, which is false or misleading, is an offence under Section 45 of the Acts.

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*:** Mr. Badri Gharzeddine Sole Trader (T/A Enviro Star Solutions)**Address:**

Unit 21 Greenouge Industrial Estate, Redzone 613, Rathcoole, Co. Dublin.

Tel: 087/8052352**Fax:****e-mail:**

* 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: Edmond J. Desmond & Associates (Agent)**Address:**

100 Windmill Avenue, Swords, Co. Dublin.

Tel: 01/8900186 or 087/2075367**Fax:** 01/8900186**e-mail:** planning@ejdesmondarchitects.com**Address of registered or principal office of Body Corporate (if applicable)****Address:** As Above (Sole Trader)**Tel:****Fax:****e-mail:**

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

- a Certified Copy of the Certificate of Incorporation or Memorandum and Article of Association;
- the Companies Registration Number from the Companies Registry Office; and
- a list of the Company Directors.

Has an Article 11 request been submitted previously in relation to this site?Yes No **If yes, please provide the Article 11 request number:-**



WASTE Application Form

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

Landowner	<input type="checkbox"/>
Lessee	<input checked="" type="checkbox"/>
Prospective Purchaser	<input type="checkbox"/>
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: As Above

Address:

Tel:

Fax:

e-mail:

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. Philip Cullen, Philalex Limited

Address: Block 613, Unit 45, Jordanstown Road, Greenouge Business Park, Rathcoole, Co. Dublin

Tel: 01-2572123

Fax: 01-2572127

e-mail: philalexltd@gmail.com

*Current at the time the application is submitted

B.2 Location of Activity

Name: Mr. Badri Gharzeddine (Sole Trader) T/A Enviro Star Solutions

Address*: Unit 21, Greenouge Industrial Estate, Redzone 613, Rathcoole, Co. Dublin Townland- Jordanstown

Tel: 087/8052352

Fax:

e-mail:

* Include any townland

National Grid Reference (8 digit 4E,4N)	ITM centre pt Coords 702567, 728723
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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 and/or Public Authority

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

Name: South Dublin County Council

Address: County Hall, Tallaght, Dublin 24.

Tel: 01/4149000

Fax: SMS 086 1731707 e-mail info@sdblincoco.ie

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 <input checked="" type="checkbox"/>
	No <input type="checkbox"/>

Planning Permission relating to this application:-

B.3(a) is not required	<input type="checkbox"/>
B.3(b) has been obtained	<input checked="" type="checkbox"/>
B.3(c) is being processed	<input type="checkbox"/>

Local Authority Planning File Reference N^o:	SD12A/0169
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Attachment B.3

B.3(a) Planning permission not required (Not Applicable)

Where **the new activity or changes to the existing activity which require this licence/review application** does not require a grant of planning permission, the following should be included in **Attachment N^o B.3:**

- Confirmation in writing from the planning authority or An Bord Pleanála, as the case may be, that a grant of permission is not required,

AND

- Details of previous planning permissions granted for the development comprising the activity, including a copy of the grant of permission and a copy of all conditions.

AND EITHER

- (a) Where the planning authority or An Bord Pleanála accepted or required the submission of a copy of an EIS under the Planning and Development Act 2000, as amended, for a previous planning permission application, the required number of copies of the most recent EIS should be submitted. A copy of the planning inspector's report associated with that EIS should also be submitted.

OR

WASTE Application Form

- (b) Where an EIS was not required for any previous planning permissions granted for the development comprising the activity, submit confirmation in writing from the planning authority or An Bord Pleanála that an environmental impact assessment was not required for the development by or under the Planning and Development Act 2000, as amended.
- Where a grant of planning permission has never been required for the site of the activity, submit confirmation in writing from the planning authority or An Bord Pleanála, as the case may be, of same.

B.3(b) Planning permission already granted - Attached

Where **the new activity or changes to the existing activity which require this licence/review application** has already been granted planning permission by a planning authority or An Bord Pleanála, the following should be included in **Attachment N^o B.3**:

- a copy of the grant of permission and either:
 - (a) where the planning authority or An Bord Pleanála accepted or required the submission of a copy of an EIS under the Planning and Development Act 2000, as amended, the required number of copies of that EIS;

OR

- (b) confirmation in writing from the planning authority or An Bord Pleanála that an environmental impact assessment was not required for the development by or under the Planning and Development Act 2000, as amended.
- A summary of all previous planning permissions granted for the site of the activity should be provided.

B.3(c) Planning permission under consideration

Where **the new activity or changes to the existing activity which require this licence/review application** involves development or proposed development that requires a grant of planning permission, and the relevant planning application is under consideration by the planning authority or An Bord Pleanála, the following should be included in **Attachment N^o B.3**:

- confirmation in writing from a planning authority or An Bord Pleanála, as the case may be, that an application for permission comprising or for the purposes of the activity to which the application for a licence relates, is currently under consideration, and either:
 - (a) the required number of copies of the EIS relating to that application for permission, where one is required by or under the Planning and Development Act 2000, as amended;

OR

- (b) confirmation in writing from the planning authority or An Bord Pleanála that an environmental impact assessment is not required by or under the Planning and Development Act 2000, as amended.



WASTE Application Form

- A summary of all previous planning permissions granted for the site of the activity should be provided.

For B.3(b) and B.3(c) above, please note that in accordance with Section 42(1C) of the Waste Management Act 1996, as amended, the Agency shall **refuse to consider** the licence application if the applicant does not comply with the requirements of Section 42(1B).

Licences and permits

For existing activities, **Attachment N° B.3** should also contain a table of references to all licences and permits past and presently in force at the time of submission.

Appropriate Assessment (Not Applicable)

Where applicable, provide a copy of any screening for Appropriate Assessment report and Natura Impact Statement (NIS) that was prepared for consideration by any planning/public authority as defined in Regulation 2(1) of the European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. No. 477 of 2011) in relation to the activity. Where a determination that an Appropriate Assessment is required has been made by any planning/public authority in relation to the activity, a copy of that determination and any screening report and Natura Impact Statement (NIS), and any supplemental information furnished in relation to any such report or statement, which has been provided to the planning/public authority for the purposes of the Appropriate Assessment shall be included in **Attachment N° B.3**.

B.4 Sanitary Authority (Not Applicable)

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: N/A

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.

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B.5 Other Authorities

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

Name:	H.S.E.
Address:	East Coast Area Health Bord Tallaght Hospital, Dublin 24.
Tel:	01/4142000
Fax:	

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 ($\leq A3$) 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 2010, as amended by the European Communities (Waste Directive) Regulations, 2011, to which the application relates (check the relevant box(es) and mark the principal activity with a ‘P’).

Attachment B.7 should identify the principal 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 ACT 1996, AS AMENDED.

Waste Management Act 1996, as amended.				
Third Schedule Waste Disposal Operations		Y/N	Fourth Schedule Waste Recovery Operations	Y/N
D 1	Deposit into or on to land (e.g. including landfill, etc.).	N	R 1 Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above: <ul style="list-style-type: none"> - 0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009, - 0.65 for installations permitted after 31 December 2008, using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration: Energy efficiency = (Ep - (Ef + Ei) / (0.97x(Ew+Ef) where— <ul style="list-style-type: none"> ‘Ep’ means annual energy produced as heat or electricity and is calculated with energy in the form of electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1(GJ/year), ‘Ef’ means annual energy input to the system from fuels contributing to the production of steam (GJ/year), ‘Ew’ means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year), ‘Ei’ means annual energy imported excluding Ew and Ef(GJ/year), ‘0.97’ is a factor accounting for energy losses due to bottom ash and radiation. 	N
D 2	Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.).	N	R 2 Solvent reclamation/regeneration.	N
D 3	Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.).	N	R 3 Recycling /reclamation of organic substances which are not used as solvents (including composting and other biological transformation	N

WASTE Application Form

				processes), which includes gasification and pyrolysis using the components as chemicals.	
D 4	Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.).	N	R 4	Recycling/reclamation of metals and metal compounds.	Y P
D 5	Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.).	N	R 5	Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials.	N
D 6	Release into a water body except seas/oceans.	N	R 6	Regeneration of acids or bases.	N
D 7	Release to seas/oceans including sea-bed insertion.	N	R 7	Recovery of components used for pollution abatement.	N
D 8	Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12.	N	R 8	Recovery of components from catalysts.	N
D 9	Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcinations, etc.).	N	R 9	Oil re-refining or other reuses of oil.	N
D 10	Incineration on land.	N	R 10	Land treatment resulting in benefit to agriculture or ecological improvement.	N
D 11	Incineration at sea (this operation is prohibited by EU legislation and international conventions).	N	R 11	Use of waste obtained from any of the operations numbered R 1 to R 10.	N
D 12	Permanent storage (e.g. emplacement of containers in a mine, etc).	N	R 12	Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).	N
D 13	Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is no other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12).	N	R 13	Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).	Y
D 14	Repackaging prior to submission to any of the operations numbered D 1 to D 13.	Y			
D 15	Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).	Y			

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)	300 Tonnes
Year	Per Annum

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 €)
Disposal of Waste (appropriate disposal activity 1.1 – 3.3)	N/A
Recovery of Waste (4)	10,000 / 6,000
	€10,000

TABLE B.7.4 (FOR A LANDFILL APPLICATION) (NOT APPLICABLE)

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

N/A

(a) landfill for hazardous waste	<input type="checkbox"/>
(b) landfill for non-hazardous waste	<input type="checkbox"/>
(c) landfill for inert waste	<input type="checkbox"/>

TABLE B.7.5 (FOR A LANDFILL APPLICATION) (NOT APPLICABLE)

In accordance with the requirements of Article 9(b) of the Landfill Directive, state the total quantity of waste for which authorisation is sought to be deposited in the landfill – complete the following table:

Total quantity of waste to be deposited at the landfill facility	Tonnes*	Void in cubic metres (m ³)
(a) Waste deposited to date	N/A	N/A
(b) Total waste to be deposited over lifetime of development (<u>including</u> deposited to date)	N/A	N/A

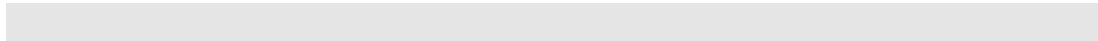
* Explain any conversion/density factors used in calculating tonnage from void, or vice versa.

B.8 SEVESO II DIRECTIVE (NOT APPLICABLE)

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, 2006 (S.I. No. 74 of 2006), apply.

Regulations Apply	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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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.



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SECTION C MANAGEMENT OF THE FACILITY

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.Badri Gharzeddine T/A Envirostar Solutions	Owner/ Sole Trader	To manage and direct operations.	Engineer/Business Man

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C.2 Environmental Management System (Not Applicable)
Attachment C 2 should contain the Environmental Management System (EMS) details required. N/A

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.

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

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*.

The requirements of article 12(1)(t bis) of the Licensing Regulations should be addressed in **Attachment D.2** by outlining the main alternatives to the proposals contained in the application which were studied by the applicant.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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LANDFILLS (Not Applicable)

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 (i.e., 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.

TABLE D.3 LINER SYSTEM

		y/n	Comments
D.3.a	Provide information to fulfil Annex 1 of the Landfill Directive	n	Not Applicable
D.3.b	What type of liner system is specified?	n	Not Applicable
D.3.c	Has a Quality Control Plan been specified?	n	Not Applicable
D.3.d	Has a Quality Assurance Plan been specified?	n	Not Applicable
D.3.e	Has independent, third-party supervision, testing and controls been specified?	n	Not Applicable
D.3.f	Have basal gradients for all cells and access ramps to the cells been designed?	n	Not Applicable
D.3.g	Has a leak detection survey been specified?	n	Not Applicable

D.4 Leachate Management (Not Applicable)

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?	n	Not Applicable
D.4.b	Have annual quantities of leachate been calculated?	n	Not Applicable
D.4.c	Has the total quantity of leachate been calculated?	n	Not Applicable
D.4.d	Has the size of the cells been specified taking account of the water balance calculations?	n	Not Applicable
D.4.e	Has a leachate collection system been specified?	n	Not Applicable
D.4.f	Has a leachate storage system been specified?	n	Not Applicable
D.4.g	Has a system for monitoring the level of leachate in the waste been designed?	n	Not Applicable
D.4.h	Is leachate recirculation proposed/practised?	n	Not Applicable
D.4.i	Has leachate treatment on-site been specified?	n	Not Applicable
D.4.j	Has leachate removal been specified?	n	Not Applicable

D 5 Landfill Gas Management (Not Applicable)

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 (i.e., 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.

Table D.5. Landfill Gas Management (Not Applicable)

		y/n	Comments
D.5a	<p>Is there a Landfill Gas Management Plan?</p> <p>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:</p>	n	Not Applicable
D.5b	Is there a passive venting system?	n	Not Applicable
D.5c	Does the passive system cover all of the filled area?	n	Not Applicable
D.5d	Have gas alarm systems been installed in the site buildings?	n	Not Applicable
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?	n	Not Applicable
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?	n	Not Applicable
D.5g	Is gas flaring undertaken at the site?	n	Not Applicable
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?	n	Not Applicable
D.5i	Does the active system cover all of the filled area?	n	Not Applicable
D.5j	Is landfill gas used to generate energy at the site?	n	Not Applicable
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?	n	Not Applicable
D.5l	Has a maintenance programme for the control system been specified?	n	Not Applicable
D.5m	Has a condensate removal system been designed?	n	Not Applicable

D.6 Capping System (Not Applicable)

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 (i.e., 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?	n	Not Applicable
D.6b	Has the intermediate cover been specified?	n	Not Applicable
D.6c	Has the temporary capping been specified?	n	Not Applicable
D.6d	Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?	n	Not Applicable
D.6e	Does the Capping System include a flexible membrane liner?	n	Not Applicable
D.6f	Have all capping materials been specified?	n	Not Applicable
D.6g	Has a Method Statement for construction been produced?	n	Not Applicable
D.6h	Has a Quality Control Plan been produced?	n	Not Applicable
D.6i	Has a Quality Assurance Plan been produced?	n	Not Applicable
D.6j	Has a programme for monitoring landfill stability been developed?	n	Not Applicable
D.6k	Has a programme for monitoring landfill settlement been developed?	n	Not Applicable

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 (Not Applicable)

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

E.3 Emissions to Sewer (Not Applicable)

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

E.4 Emissions to Groundwater (Not Applicable)

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 and the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010).

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

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

E.5 Noise Emissions (Not Applicable)

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**

The Agency's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012) should be consulted (available on www.epa.ie) where a noise impact assessment is required. A planned programme of improvement towards meeting upgraded standards is required and should have due regard to the noise control and mitigation measures outlined in

section 8, and Appendix IX of the *Guidance Note*. This programme should highlight specific goals and a time scale, together with options for modification, upgrading or replacement, as required, to bring the emissions within the limits as set out in the *Guidance Note*.

E.6 Environmental Nuisances (Not Applicable)

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 (NOT APPLICABLE)

Bird Control	Control method specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
	Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Dust Control	Control method specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
	Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Fire Control	Control method specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
	Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Litter Control	Control method specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
	Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Traffic Control	Control method specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
	Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Vermin Control	Control method specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
	Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Road Cleansing	Control method specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
	Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

SECTION F CONTROL & MONITORING

F.1: Treatment, Abatement and Control Systems (Not Applicable)

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 ($\leq A3$) as appropriate.

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

Attachment F.1 should contain any supporting information.

F.2- F. 9. Monitoring and Sampling Points (Not Applicable)

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.

F.2 Air (Not Applicable)
- to include Dust, Odour

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

F.3 Surface Water (Not Applicable)

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 <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

F.4 Sewer Discharge (Not Applicable)

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

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

F.5 Groundwater (Not Applicable)

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 <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

F.6 Noise (Not Applicable)

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

F.7 Meteorological Data (Not Applicable)

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

An application for landfill requires the additional Attachments F.7 to F.8, to be completed:

F.8 Leachate (Not Applicable)

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

F.9 Landfill Gas (Not Applicable)

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

Parameter	Concentration (mg/Nm ³)	Proposed Frequency of Analysis	Information Included Y/N	Method of Analysis	Information Included Y/N
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

Parameter	Proposed Frequency of Analysis		Information Included Y/N	Method of Analysis	Information Included Y/N
	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					

Table F.9 (c) Landfill Gas Infrastructure

Equipment	Monitoring Frequency	Information Included Y/N	Monitoring Action	Information Included Y/N
Gas Collection System				
Gas Control System				

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

(Not Applicable)

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 <input type="checkbox"/> no <input type="checkbox"/> not applicable <input checked="" type="checkbox"/>
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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 <input checked="" type="checkbox"/> no <input type="checkbox"/> not applicable <input type="checkbox"/>
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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 1996, as amended. 3rd Schedule (Disposal) Operations			Waste Management Act 1996, as amended. 4th Schedule (Recovery) Operations		
Class of Activity Applied For		Quantity (tpa)	Class of Activity Applied For		Quantity (tpa)
Class D 1			Class R 1		
Class D 2			Class R 2		
Class D 3			Class R 3		
Class D 4			Class R 4		
Class D 5			Class R 5		
Class D 6			Class R 6		
Class D 7			Class R 7		
Class D 8			Class R 8		
Class D 9			Class R 9		
Class D 10			Class R 10		
Class D 11			Class R 11		
Class D 12			Class R 12		
Class D 13			Class R 13		
Class D 14			Code 0901		300
Class D15			Code 090104		
Code 0901		300			

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 licence 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)
2013	300	Not Applicable	300
2014	300	Not Applicable	300
2015	300	Not Applicable	300
2016	300	Not Applicable	300
2017	300	Not Applicable	300

WASTE Application Form

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 (NOT APPLICABLE)

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

*** TABLE H.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES (NOT APPLICABLE)**

HAZARDOUS WASTE	DETAILED DESCRIPTION	Tonnes Per Annum (Existing)	(Tonnes Per Annum Proposed)
Waste Oil	N/A	N/A	N/A
Oil filters	N/A	N/A	N/A
Asbestos	N/A	N/A	N/A
Paint and Ink	N/A	N/A	N/A
Batteries	N/A	N/A	N/A
Fluorescent Light Bulbs	N/A	N/A	N/A
Contaminated Soils	N/A	N/A	N/A
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)			

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 accepted.

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 and, for landfills, Council Decision 2003/33/EC. 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*.

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

H.3a Waste Handling at the Landfill Facility (Not Applicable)

State the manner in which it will be verified or assured that waste will be subject to treatment prior to landfilling in accordance with the requirements of article 6 of the Landfill Directive.

Provide information on the quantity of biodegradable municipal waste to be accepted and how the targets of article 5 of the Landfill Directive (1999/31/EC), as they have been adopted in Ireland, are to be achieved. In particular describe how operation of the landfill will contribute to:

- (a) a reduction by 16/07/2010 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 16/07/2013 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 16/07/2016 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.

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

H.4 Waste Arisings (Not Applicable)

Waste Arisings should be considered for all contaminated soil applications. Details of all waste materials generated on the site including, name, description and nature 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.4(i) and H.4(ii) of the application form. Applicants should also provide conversion factors used to relate volume (m³) and tonnage (t) for their waste stream.

H.5 Waste Recycling and Recovery

Applicants should describe in **Attachment H.5** how waste activities will contribute to the requirements of regulation 31(1) and (2) of the European Communities (Waste Directive) Regulations 2011.

Applicants should also describe how they intend complying with the requirements of regulation 29(2A) of the Regulations regarding waste recovery.

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SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY**(Not Applicable)**

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.**

I.1. Assessment of atmospheric emissions (Not Applicable)

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 (Not Applicable)

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.

The requirements of and environmental quality standards contained in the European Communities Environmental Objectives (Surface Waters) Regulations 2009 (S.I. No. 272 of 2009) should be considered. Information should be provided on the

manner in which these Regulations were taken into account in the assessment of the impact of emissions to surface waters.

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. (Not Applicable)

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 (Not Applicable)

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.

The requirements of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010) should be considered. Information should be provided on the manner in which these Regulations were taken into account in the assessment of the impact of the activity on groundwater.

I.5 Ground and/or groundwater contamination (Not Applicable)

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 ($\leq A3$), documentation, including containment engineering, remedial works and any other supporting information should be included in **Attachment I.5.**

The requirements of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010) should be considered. Information should be provided on the manner in which these Regulations were taken into account in the assessment of groundwater contamination and any remedial works carried out or proposed.

I.6 Noise Impact. (Not Applicable)

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

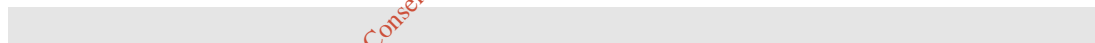
Complete Table I.6 (i) in relation to the information required below:

- (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)
- (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 (or residual) noise levels experienced at the site in the absence of noise from this operation.

Prediction models, maps (no larger than A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment N^o I.6**.

I.7 Assessment of Ecological Impacts & Mitigation Measures (Not Applicable)

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

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 <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	---	-----------------------------	---

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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 <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
----------------------------	------------------------------	-----------------------------	--

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SECTION L STATUTORY REQUIREMENTS

L.1 Section 40(4) WMA

Indicate how all the requirements of Section 40(4)[(a) to (j)] of the Waste Management Act 1996, as amended, will be met.

Undertake a screening for Appropriate Assessment and state whether the activity, individually or in combination with other plans or projects, is likely to have a significant effect on a European Site(s), in view of best scientific knowledge and the conservation objectives of the site(s).

Where it cannot be excluded on the basis of objective scientific information, following screening for Appropriate Assessment, that an activity, either individually or in combination with other plans or projects, will have a significant effect on a European Site, provide a Natura Impact Statement, as defined in Regulation 2(1) of the European Communities (Birds and Natural Habitats) Regulations (S.I. No. 477 of 2011).

Where, based on screening, it is considered that an Appropriate Assessment is not required, provide a reasoned response.

The screening report and Natura Impact Statement, where applicable, shall be provided in **Attachment L.1**.

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.

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

Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
----------------------------	------------------------------	-----------------------------	--

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 Act 1996, as amended, the EPA Act 1992, as amended, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.
- 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).

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- 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 <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	---	-----------------------------	---

L.3 Waste hierarchy

Section 21A of the Waste Management Act 1996, as amended, as amended, requires that the waste hierarchy shall apply. When applying the waste hierarchy, the Agency is obliged to take measures to encourage the options that deliver the best overall environmental outcome. Any departures from the hierarchy can be justified by life-cycle thinking on the overall impacts of the generation and management of specific waste streams. Applicants should justify any departures from the hierarchy on this basis and as set out in section 21A(2) of the Acts.

Applicants should be aware of the requirements related to recovery of waste set out in section 29(2A) of the Acts. (See section H.5 above).

In accordance with article 12(1)(v) of the Waste Management (Licensing) Regulations, 2004, as amended, describe in **Attachment L.3** how the waste hierarchy is applied in or by the proposed activity.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	---	-----------------------------	---

L.4 Principles of self-sufficiency and proximity

Applicants should state in **Attachment L.4** how the proposed activity contributes to the requirements of Section 37A of the Waste Management Act 1996, as amended.

Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
----------------------------	------------------------------	-----------------------------	--

SECTION M DECLARATION

Declaration

I hereby make application for a licence / revised licence, pursuant to the provisions of the Waste Management Act 1996, as amended and Regulations made there under.

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 or any person acting on the Applicant's behalf.

Signed by : _____

(on behalf of the organisation) Enviro Star Solutions

Date : _____

Print signature name: Mr. Badri Gharzeddine

Position in organisation : Sole Trader, Manager,

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Company stamp or seal:

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:

N/A

Emission Point Ref. N ^o :	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details	
Diameter:	
Height above Ground(m):	
Date of commencement of emission:	

Characteristics of Emission:

CO	mg/m ³
Total organic carbon (TOC)	mg/m ³
NO _x	mg/Nm ³ 0°C. 3% O ₂ (Liquid or Gas), 6% O ₂ (Solid Fuel)
Maximum volume of emission	m ³ /hr
Temperature	°C(max) °C(min) °C(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
---------------------------	---

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

N/A

Emission Point Ref. N ^o :	
Source of Emission:	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter:	
Height above Ground(m):	
Date of commencement:	

Characteristics of Emission :

(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 : <input type="checkbox"/> wet. <input type="checkbox"/> 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)

N/A

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.

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

N/A

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°C/101.3kPa). 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:

N/A

Emission Point Ref. N ^o :	
Source of Emission:	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Name of receiving waters:	
Flow rate in receiving waters:	<p>_____ m³.sec⁻¹ Dry Weather Flow</p> <p>_____ m³.sec⁻¹ 95%ile flow</p>
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 : _____

N/A

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: N/A

Emission Point Ref. N ^o :	
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 : _____

N/A

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: N/A

Emission Point/Area Ref. N ^o :	
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 - Noise sources summary sheet N/A

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 ²
				31.5	63	125	250	500	1K	2K	4K		

1. For items of plant, sound power levels may be used.
2. Periods of emission should state if the plant item in question operates on a continuous or intermittent basis. If intermittent then further details of the hours of operation and any potential impulsive components associated with the source should be clearly identified.

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TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : _____

N/A

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

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). : _____

N/A

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 : _____

N/A

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

N/A

Ref. N ^o 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 N^o 77/94
 3. c.f. Schedules 2 and 3 of SI N^o 77/94

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TABLE H.4(i): WASTE - Hazardous Waste Recovery/Disposal N/A

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

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

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			
Photographic Fixer	0901	Photographic Industry	25		Electrolytic Recovery	Licensed Carrier	Licensed Carrier

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- 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.7



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Table I.2(I) SURFACE WATER QUALITY N/A

(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 N/A

(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 & BACKGROUND NOISE ASSESSMENT N/A

Need to carry out an assessment for tonal and impulsive noise¹

	National Grid Reference (6N, 6E)	Sound Pressure Levels (dB)					
		L _{Aeq}		L _{A10}		L _{A90}	
		Ambient	Background ²	Ambient	Background ²	Ambient	Background ²
1. SITE BOUNDARY³							
Location 1:							
Location 2:							
Location 3:							
Location 4:							
2. NOISE SENSITIVE LOCATIONS³							
Location 1:							
Location 2:							
Location 3:							
Location 4:							

1. Refer to section 5 of the Agency's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012).
2. Background noise levels should be determined in the absence of site specific noise. Where an installation is operational on a 24hr basis, estimates may be given for background noise levels, but this should be noted.
3. All locations should be identified on accompanying drawings.

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ANNEX 2 : ATTACHMENTS

SCHEDULE OF ATTACHMENTS:

		Page
•	ATTACHMENT A.1. Non-Technical Summary	74
•	ATTACHMENT B.1. Applicant's Details	75
•	ATTACHMENT B.2. Location of Activity	77
•	ATTACHMENT B.3. Planning Authority and/or Public Authority	79
•	ATTACHMENT B.6. Notices and Advertisements	82
•	ATTACHMENT B.7. Type of Waste Activity, Tonnages & Fees	87
•	ATTACHMENT C.1. Technical Competence and Site Management	93
•	ATTACHMENT C.3. Hours of Operation	95
•	ATTACHMENT D.1. Infrastructure	96
•	ATTACHMENT D.2. Facility Operation	98
•	ATTACHMENT G.2. Energy Efficiency	99
•	ATTACHMENT H.5. Waste Recycling and Recovery	100
•	ATTACHMENT J. Accident Prevention & Emergency Response	101
•	ATTACHMENT L.1. Section 40(4) Waste Management Act 1996	102
•	ATTACHMENT L.2. Fit and Proper Person	103
•	ATTACHMENT L.3. Waste Hierarchy	105

ATTACHMENT A.1. Non-Technical Summary

- Removal of metal from photographic fixer - by means of Electrolytic Method.
- 300,000 Litres per year.
- No landfill waste involved.
- Waste fixer delivered to Unit 21 Greenouge Industrial Estate, Redzone 613, Rathcoole, Co. Dublin, by licensed waste carrier; and after processing to be removed by licensed waste carrier.

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ATTACHMENT B.1. Applicant's Details

- The Applicant is the Lease Holder of the current address
- Owner's Name: Mr. Philip Cullen, Philalex Limited
- Owner's Address: Block 613, Unit 45, Jordanstown Road
Greenouge Business Park,
Rathcoole,
Co. Dublin
- Townland: Jordanstown
- Letter of Consent from Owner – Attached, page over

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PHILALEX LTD.

Block 613 Unit 45, Jordanstown Rd, Greenogue Business Park, Rathcoole, Co. Dublin.
Email: philalexltd@gmail.com

Development Company

Tel: 01 257 2123 Fax: 01 257 2127
V.A.T. No: IE 6560161E

Dublin City Council,
Planning Department,
Block 4,
Civic Offices,
Wood Quay,
Dublin 8

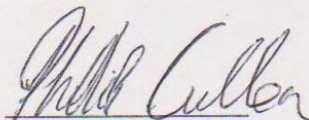
3rd July 2012

Re: Planning Application to South Dublin County Council

To whom it may concern,

I confirm I am the owner of Unit 21, Greenogue Industrial Estate, Redzone 613, Rathcoole, Co. Dublin and hereby give my permission for Mr. Badri Gharzeddine to proceed with a planning application to South Dublin County Council in relation to said property as set out in Drawing No's 1009/12/01, 1009/12/02 & 1009/12/03 and the Specification provided by Edmond J. Desmond & Associates for a "Change of Use" and "Fire Safety Certificate Application".

Yours sincerely,



Philip Cullen

Directors: Philip Cullen, Alexis Fitzgerald. Co. Reg: 160161

ATTACHMENT B.2. Location of Activity

- Location Map – Attached, page over

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Surveyed 1997
Revised 2010
Levelled

Rural PLACE Map



226910

3910

328480



ITM CENTRE PT. COORDS.

702567,728723

DESCRIPTION

MAP SHEETS

1:2500
3388-B



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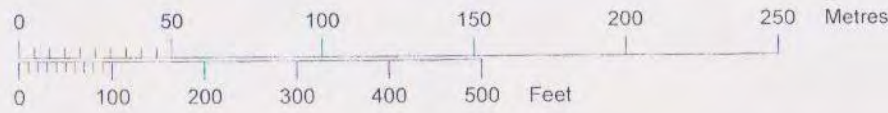
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Scale:- 1:2,500
Scála:- 1:2,500



Plot Ref. No. 25129428_1_5
Plot Date 11-JUL-2012

Edward O'Sullivan



ATTACHMENT B.3. Planning Authority and/or Public Authority

B.3 (b) Planning permission already granted

- Copy of Planning Permission from South Dublin County Council, Planning Department – Attached Page over (EIS not required)
- Planning Details: Planning Reference No. SD12A/0169
“Change of use from Industrial to New Waste Treatment Unit”
- Planning History: No other applications on original development.

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Connecting You to

Land Use, Economic and Transport Planning Department.
County Hall, Tallaght, Dublin 24.
Telephone: 01 414 9000 : Fax: 01 414 9104

Email: planning.dept@sdblincoco.ie

Edmond J. Desmond & Associates
100, Windmill Avenue
Swords
Co. Dublin

**NOTIFICATION TO GRANT PERMISSION
PLANNING & DEVELOPMENT ACT, 2000 (as amended) AND PLANNING
REGULATIONS THEREUNDER**

Final Grant Order No.:	0980	Date of Final Grant:	12-Nov-2012
Decision Order No.:	0885	Date of Decision:	05-Oct-2012
Register Reference:	SD12A/0169	Date:	15-Aug-2012

Applicant: Mr. Badri Gharzeddine, Enviro Star Solutions
Development: Change of use from industrial to new waste treatment unit.
Location: Unit 21, Greenogue Industrial Estate, Redzine 613, Rathcoole, Co. Dublin

Time extension(s) up to and including
Additional Information Requested/Received 24 Aug-2012 /

A Permission has been granted for the development described above, subject to the following () conditions.

Conditions and Reasons:

- The development shall be carried out in its entirety in accordance with the plans, particulars and specifications lodged with the application, save as may be required by the other conditions attached hereto.
REASON: To ensure that the development shall be in accordance with the permission and that effective control be maintained.
- The change of use hereby permitted relates only to the treatment of waste as detailed in documentation submitted. No intensification or change of use within the waste treatment facility hereby approved shall take place, without a prior grant of permission of the Planning Authority, or An Bord Pleanala on appeal.
REASON: In the interests of clarity and the proper planning and sustainable development of the area and to prevent unauthorised development.
- All storage of materials including the storage of waste products shall take place entirely within the subject unit. No materials or waste products shall be placed or stored on the car parking or manoeuvring areas surrounding the development.
REASON: In the interest of visual amenity.

Connecting You to

Land Use, Economic and Transport Planning Department.
County Hall, Tallaght, Dublin 24.

Telephone: 01 414 9000 :

Fax: 01 414 9104

Email: planning.dept@sdublincoco.ie

4. a) The water supply and drainage infrastructure, including the disposal of surface water, shall comply with the technical requirements of the Planning Authority.
b) There shall be complete separation of the foul and surface water drainage systems.
c) All drainage works for this development shall comply with the Greater Dublin Regional Code of Practice for Drainage Works which can be viewed/downloaded from <http://environment.southdublin.ie> (click-publications then specifications).
REASON: In the interests of public health and in order to ensure adequate drainage provision.
5. a) No advertising signs or structures shall be erected externally on the premises except those, which are exempted development, without the prior grant of permission of the Planning Authority or An Bord Pleanála on appeal.
b) Signs shall not be internally illuminated.
REASON: In the interest of orderly development and the visual amenities of the area.

Note 1

The developer is advised that under the provisions of Section 34 (13) of the Planning and Development Act 2000 a person shall not be entitled solely by reason of a permission to carry out any development.

Note 2

The developer is advised that prior to the discharge of trade effluent from the development to the public foul sewer system, a Section 16 Effluent Discharge Licence under the Local Government (Water Pollution) Act 1977, as amended, must be obtained from South Dublin County Council.

- (1) All buildings must be designed and constructed in accordance with the Building Regulations 1997.
- (2) Building Control Regulations require a Commencement Notice. A copy of the Commencement Notice is attached.
- (3) A Fire Safety Certificate must be obtained from the Building Control Authority, where applicable.
- (4) Free Standing Walls must be designed and constructed in accordance with IS 325: Code of Practice for use of Masonry Part 1 : Structural use of reinforced Masonry. The Owner must also ensure that the construction of all walls is supervised by a competent person.

Signed on behalf of South Dublin County Council.

..... 13-Nov-2012
for Senior Planner

ATTACHMENT B.6. Notices and Advertisements

- Copy of Site Notice – Attached Page over
- Copy of Newspaper Notice – Attached Page Over
- Copy of Notice to the Local Planning Authority – Attached Page over
- Site Plan with Location of Site Notice Indicated - Attached Page over

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SITE NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY, (EPA) FOR A WASTE (TREATMENT) LICENCE.

I, MR. BADRI GHARZEDDINE, T/A ENVIRO STAR SOLUTIONS, UNIT 21, GREENOGUE INDUSTRIAL ESTATE, REDZONE 613, RATHCOOLE, Co. DUBLIN

Hereby make an application for a Waste (Treatment) Licence at Unit 21 Greenogue Industrial Estate, Redzone 613, Rathcoole, Co. Dublin in the townland of "Jordanstown" National Grid Reference, ITM Centre Pt Coordinates 702567.728723: For the recovery of metal from photographic waste fixer solution, under section code reference class D14, Code 0901, 300 (TPA) & Class D15, Code 090104, 300 (TPA).

THIS APPLICATION FOR A WASTE (TREATMENT) LICENCE, TOGETHER WITH SUCH FURTHER INFORMATION RELATING TO THE APPLICATION AS MAY BE FURNISHED TO 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 HEADQUARTERS OF THE AGENCY.

Signed: _____

(Edmond J. Desmond & Associates) (agent)

*100 Windmill Avenue,
Swords,*

Co. Dublin

Ph: 01-8900186

Mob: 087-2075367

Date of erection of site notice: 22nd December 2012

NEWSPAPER NOTICE

PLANNING APPLICATIONS

FINGAL COUNTY COUNCIL
1 Brendan Canal apply for planning permission for the construction of a dormer window at roof level in the rear of 14 Duncannon, Sutton, Dublin 12. This 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 of 9.30-16.30 Monday-Friday. 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.

DUN LAOGHAIRE RATHDOWN COUNTY COUNCIL
Permission is sought for the demolition of existing hangover and dilapidated garage and construction of new detached part single storey, part two storey dwelling with a replacement and widened wheelchair entrance and detached kerb, 2 no. new gate posts, raised side boundary walls and associated site works at 37A Burnish Close, Dalkey, Co. Dublin by Muzareem D'Shen. This planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy

LEGAL NOTICES

IN THE MATTER OF THE COMPANIES ACTS, 1963 TO 2012 and in the Matter of (A) JECV Enterprises Limited, (B) Midlough Holdings Limited, (C) SASS Restaurant Limited, (D) Energy Associates Ireland Limited and (E) Paul Henry Groundwork Ltd (in Liquidation). Notice is hereby given pursuant to Section 273 and 285 of the Companies Act 1963-2012, that the Final Meeting of the Members and Creditors of the above Companies will be held on 31st January 2013 at 10 Business Park, Lodge Road, Westport, Co Mayo. Details are as follows:
(A) 9.30 am - 10.00 am
(B) 10.30 am - 11.00 am
(C) 11.30 am - 12.00 pm
(D) 12.30 pm - 1.00 pm
(E) 2.00 pm - 2.30 pm
Dated this day 28th December 2012.
John Foy, Liquidator.
Notice to be used at the meeting must be lodged at 10 Business Park, Lodge Road, Westport, Co Mayo, no later than 4 pm on the day before the meeting.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY (EPA) FOR A WASTE TREATMENT LICENCE
I, MR. BADRI GHARZEDDINE, TA ENVIRO STAR SOLUTIONS, UNIT 21, ORCHCOOGUE, INDUSTRIAL ESTATE, REDDONS, 613, RATHCOCKLE, CO. DUBLIN, Hereby make an application for a Waste Treatment Licence at Unit 21, Glenageary Industrial Estate, Rathcoole 613, Rathcoole, Co. Dublin in the townland of "Jorastown" National Grid Reference, (TM Centre PR Coordinates 702567, 728723. For the recovery of metal from photographic waste (see solution under section code reference class D14, Code 0901, 300 (TPA) & Class D18, Code 0901/4, 300 (TPA). THIS APPLICATION FOR A WASTE TREATMENT LICENCE TOGETHER WITH SUCH FURTHER INFORMATION RELATING TO THE APPLICATION AS MAY BE FURNISHED TO THE AGENCY'S CONSIDERATION. ON THE APPLICATION WILL AS SOON AS IS PRACTICABLE AFTER RECEIPT BY THE AGENCY BE AVAILABLE FOR INSPECTION ON REQUEST AT THE HEADQUARTERS OF THE AGENCY.

IN THE MATTER OF THE COMPANIES ACTS 1963 TO 2012 AND IN THE MATTER OF IRISH

To advertise in this section contact Leo Matteo
Ph: 01 637 5837 Fax: 01 637 5833 E: legal@assocnews.ie

CLASSIFIED

Legal & Planning, Associated Newspapers, Embassy House, Ballsbridge, D4

WORLD OF SPORT

With his second win at the Christmas show, The Olympic bronze medallist, who was second to go in the seven-horse Santa Stakes jump-off, delivered a super-fast round on Ahmed Tolba's gelding Splendor to take the €6,000 prize. He also took third place in the Christmas Tree Stakes with his own Irish Sport Horse more ISHD Dual Star.

ANDY LEE will make his ring comeback on February 9. The Limerick middleweight will take on Dubliner Anthony Fitzgerald (13 wins, 2 losses) on the undercard of Carl Frampton's European-title challenge against champion Kiko Martinez in Belfast.

Twenty-eight-year-old Lee (left) was stopped in seven rounds by then WBC champion Julio Cesar Chavez Jr last June, and is now based in London. Having spent most of his pro career in Detroit, "To get back to world title fights I have to win fights, it is as simple as that," said Lee.



Despite his good form, a pre-tournament stomach bug threatened to derail his World Championship charge. "I wasn't well — I had a stomach bug so I spent a lot of time on the toilet bowl" said a now clearly-relieved (pardon the pun) Dolan. "On Thursday I was thinking of ringing the tournament director and telling him that I wouldn't be going. On Saturday, I felt better but it was only on Sunday morning that I felt strong and wasn't weak or tired. Obviously when the toilet issue wasn't a problem!"

The 39-year-old does not seem to be easily fazed by anything.

the excitement of watching a jam-packed Ally Pally create a fun-filled but often cauldron-like atmosphere for those on stage. This afternoon, Dolan, usually a popular player, faces a test of coming up against a fan favourite and the inevitable crowd reaction that carries. "I love it, I revel in it," said Dolan of the raucous PDC crowd. "I love the atmosphere and love the cheering — a lot of the time it's for me which makes it extra special. "It won't annoy me because I know whenever you're up against someone like that, and you do hit, good scores, the crowd appreciate it."

LIVE on Sky Sports 2, 12.30pm.

EDMOND J. DESMOND & ASSOCIATES
BUILDING AND PLANNING CONSULTANTS

73 SEATOWN VILLAS, SWORDS, CO. DUBLIN.
PH. 8900186 FAX. 8900176 MOBILE. 087/2075367
e mail . planning@ejdesmondarchitects.com

Planning Department,
South Dublin County Council,
County Hall,
Town Centre,
Tallaght,
Dublin 24

10th August 2012

RE : Planning permission is sought for change of use from industrial to new waste treatment unit at Unit 21, Greenouge Industrial Estate, Redzone 613, Rathcoole, Co. Dublin for Mr. Badri Gharzeddine (Trading As "Enviro Star Solutions", Unit 21, Greenouge Industrial Estate, Redzone 613, Rathcoole, Co. Dublin)

Dear Sir/Madam,

Please find the following items enclosed;

1. Completed Application Form
2. Application fees €323.10 (€3.60 x 89.75m²)
3. 6 x Drawing No's: 1009/12/01, 1009/12/02 & 1009/12/03.
4. 6 x Specification.
5. 6 x O.S.I. Planning Pack.
6. 1 x Site Notice.
7. 1 x Newspaper Notice.
8. 1 x Letter of Consent from Owner

The proposal seeks a change of use from industrial to new waste treatment unit at 21 Greenouge Industrial Estate, Redzone 613, Rathcoole, Co. Dublin for Mr. Badri Gharzeddine (Trading as "Enviro Star Solutions" at Unit 21, Greenouge Industrial Estate, Redzone 613, Rathcoole, Co. Dublin.)

We note that the proposed waste treatment facility will be used to recover a nontoxic form of Silver from photographic fixer solutions using an electrolytic method. Once the silver has been removed, the remainder of the fixer solution is collected and disposed of off-site by a licensed waste collector. (Further information regarding the process is available upon request) The applicant is currently in the process of applying for a waste treatment permit. There are no alterations proposed to the existing structure.

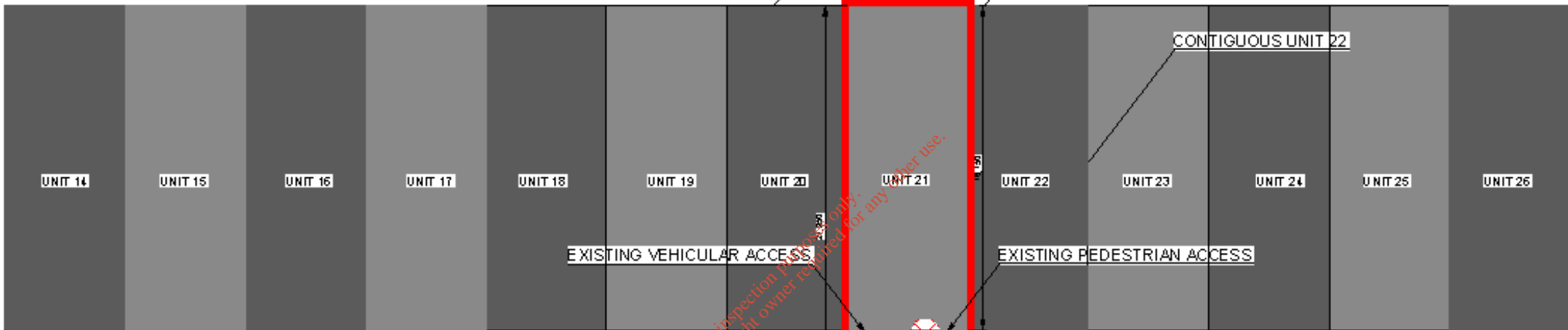
We trust the above and enclosed meet with your approval and look forward to receiving your valued decision.

Yours truly,

Edmond Desmond

NOTES:
 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NO: 1009/12/01, 02 AND THE SPECIFICATION
 2. ALL MATERIALS, CONSTRUCTION AND FINISHES TO MATCH EXISTING.
 3. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE PLANNING PERMISSION CONDITIONS AND THE CURRENT BUILDING REGULATIONS.

LEGEND:
 BOUNDARY LINE ---
 PROPOSED WORKS ---



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PROPOSED SITE PLAN
 area of site = 318.5m sq
 scale 1:800



no.	revision	date

EDMOND J. DERMOND & ASSOCIATES
 BUILDING & PLANNING CONSULTANTS
 24 WINDMILL AVENUE, HOWTH, Co. DUBLIN
 PH 01466 61616 FAX 01466 61737/347

client: **BADRIGHA ZEDDINE,**
 UNIT 21,
 GREENOUGE INDUSTRIAL ESTATE,
 REDZONE 6 13,
 BATHCOOLE, Co. DUBLIN.

title: **PROPOSED SITE PLAN**

scale: 1:800	drawing no. 1009/1203
date: JUN '12	
drawn: ED	

GREENOUGE INDUSTRIAL ESTATE

ATTACHMENT B.7. Type of Waste Activity, Tonnages & Fees

- Principle Activity with brief Technical Description of all Activities

Silver Recovery Process

Silver recovery from photographic fixer solutions began over thirty years ago as a revenue generating activity for photofinishing laboratories. In recent years, silver recovery has become an issue of environmental compliance. By removing silver from fixer solutions, photographic laboratories accomplish two important environmental goals. First, the amount of silver lost to the effluent is controlled and minimized. Second, the fixer solution, which has a characteristically high salt content (*another commonly regulated parameter*) can be recycled and reused.

During photographic processing, the silver (*which is the component of film that makes it possible to form an image*) is removed from the film and goes into the fixer. In the photographic process, the fixer serves to remove the silver halide from the photographic emulsion. Fixing is conventionally done by thiosulfate, which is used almost universally as the silver ligand for colour process.

The recovery of silver is important and should be recovered from silver-rich solutions before been discharged to the drain because:

- a) Silver is a non-renewable resource.
- b) Some cities/towns restrict the amount of silver that can be discharged.
- c) Silver has economic value.

Appropriate equipments are very important for effective silver recovery based on the size and activities of the diagnostic or industrial film processor.

What's the concern with silver?

The silver in film processing should be regulated because it can take different forms. The metallic silver that we use in eating utensils and jewellery is nontoxic, but some forms of silver can be very toxic to aquatic organisms if present in ion form which is not the case in our project. Due to the high reactivity of silver ion, it can quickly and easily form a complex with materials in the environment such as sulphides and chlorides, to yield compounds with little or no toxicity. This means that silver rarely occurs in ionic

or noncomplexed forms. For example, the silver found in used film processing fixer is in the form of silver thiosulfate (*a nontoxic form*).

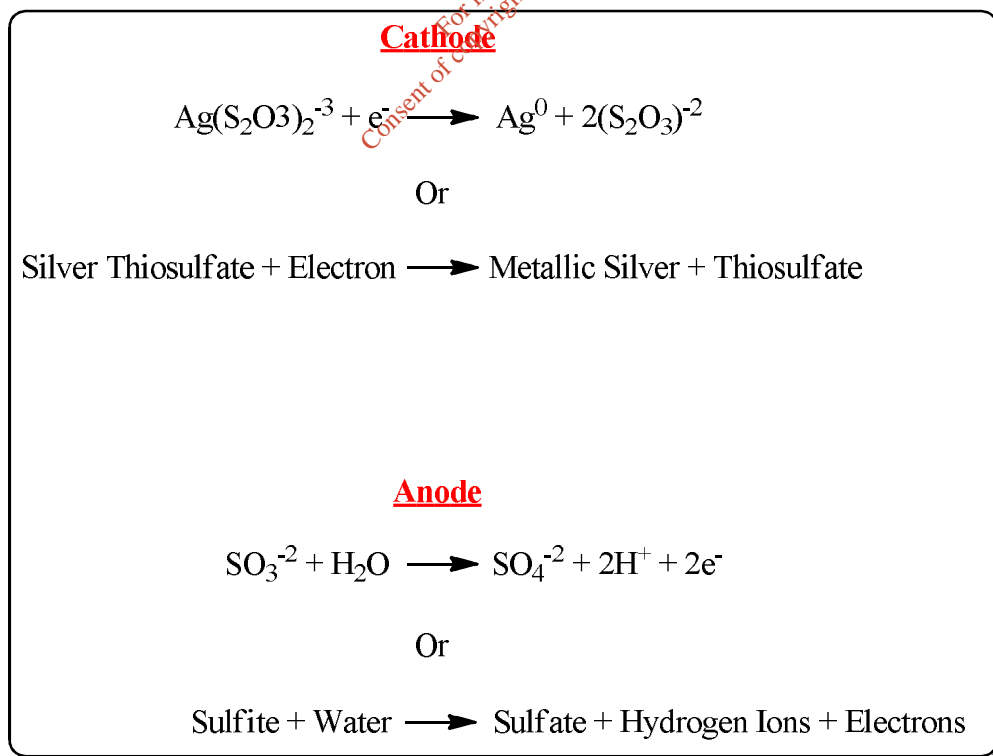
Electrolytic Silver Recovery:

1. Method used:

This electrolytic method is well known and is an efficient and cost-effective silver recovery technology first used in 1931. Since then, a lot of modifications and improvements have been made to refine such equipments so that today's electrolytic units are reliable and consistent. The advantages of this electrolytic equipment are its continuous reuse and few, if any; additional chemicals are required to perform the recovery operation.

2. How it works:

In this electrolytic silver recovery equipment, a direct current is passed through a silver rich solution between a positive electrode (*the anode*) and a negative electrode (*the cathode*). During this electrolytic process, an electron is transferred from the cathode to the positively charged silver, converting it to its metallic state, which adheres to the cathode (*Typically, the cathode is made of stainless steel and the amount and quality of the silver recovered depends upon the operating amperage and the length of time the solution is exposed to the current*). In a simultaneous reaction at the anode, an electron is taken from some species in solution. In most silver-rich solutions, this electron usually comes from sulfite (*Scheme 1*).



Scheme 1: An overview of the electrolytic reaction.

Electrolysis produces nearly pure metallic silver, contaminated only slightly by some surface reactions that also take place. The plated silver should be greater than 90 percent pure.

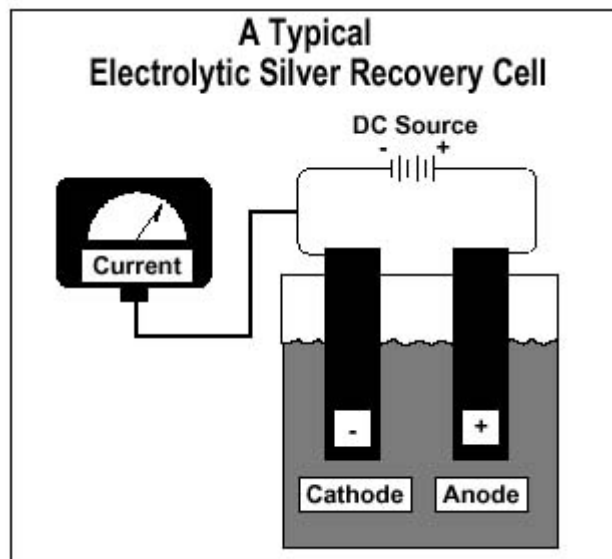


Figure 1: Electrolytic silver recovery concept.

In the batch unit (*Figure 1*), the solution is collected within a chamber inside the electrolytic unit until there is sufficient quantity to constitute a batch. Then, the solution is pumped into the desilvering chamber where the silver is removed. Upon completion of this step, the used batch is pumped out of the machine.

3. Operation and Maintenance:

Generally, electrolytic units are monitored for the following: pH, silver concentration, time and amperage, and mechanical operation.

- pH: Fixer solutions from film processes are easy to desilver electrolytically and require little, if any, pH adjustment.
- Silver concentration: the efficiency of the silver recovery is directly related to the silver concentration; the higher the silver concentration, the higher the recovery efficiency. Replenishment rates play an important role in determining this concentration level. Over replenishment dilutes the amount of silver. Furthermore, when silver concentration falls below 500 mg/L, recovery efficiency decreases significantly thus reducing the recovery rate of the electrolytic unit.
- Sulfite concentration: In the plating process, sulphite is consumed as silver is recovered out of solution. Therefore, it is very important and necessary to have sufficient sulphite in the solution. Furthermore, any degradation of the fixer can affect the final product.

- Time and amperage: Most of the electrolytic silver recovery units sold today is automatic so the operator doesn't have to set plating current and batch times (*two critical factors in electrolytic silver recovery*). To recover the silver out of the solution and onto the cathode, it is fundamental to maintain the correct plating current. If the plating current is too high or the plating time too long, the silver deposited on the cathode will be black and sludgy, with much of it falling off the cathode and collecting on the bottom of the electrolytic unit. This is known as sulfiding which result in a low quality silver and a mess to clean. The manufacturer recommendations for setting both the plating time and amperage should be followed to avoid sulfiding.
- Mechanical operation: General mechanical preventive maintenance should be conducted periodically to ensure the plating current is correct, the cathode is rotating or the pump is working, and the colour of the silver on the cathode is creamy-grey rather than black or white. The silver should be harvested (*removed from the cathode*) periodically and sent to the refiner.

N.B: The most common mechanical problem with electrolytic units is a poor electrical connection to either the anode or the cathode. It is important that terminals and wires do not come in contact with solutions. Corroded terminals or cables will result in poor plating.

Silver Recovery Business from Fixer and Hypo Solution:

The silver recovery business from fixer solutions is very profitable, and can be done in short time. In every city whether big or small, you find government hospitals and a great number of private x-ray clinics from where you can get lot of fixer and hypo solution at a reasonable rate and make lot of money.

Silver recovery is a new and fast method to recover silver, not only from fixer and hypo solution, but from all the other silver containing solutions. The whole process of silver recovery takes about two to three hours. And the best thing about this process is that it is smoke free and creates no pollution. Silver can easily be sold anywhere in gold and silver market just in any city.

To confirm that a selected silver recovery option is achieving the required discharge limits, it is important to periodically test the effluent being discharged. Test papers or test kits are available for this purpose, in addition to confirmatory laboratory analysis.

Fixing Method:

After leaving the developer the film is transported into a second tank, which contains the fixer solution. The job of the fixer is to remove the unexposed silver halide. The developer has already reduced the exposed silver halide. However, over time even without developer the remaining unexposed silver halide will become exposed and change colour. The fixer removes this unexposed silver halide from the emulsion. This process runs to completion. Once gone it's gone. There is considerably leeway in the length of the fixer bath because not much happens once the unexposed silver has been removed. However, eventually other things happen like the emulsion or backing starts getting dissolved or excessively water-logged, which can soften it and make it more susceptible to scratching until finally dried again.

The fixer is a mixture of several chemicals that perform the following functions:

1. **Neutralizer:**

When a film is removed from the developer solution, the development continues because of the solution soaked up by the emulsion. It is necessary to stop this action to prevent over development and fogging of the film. Acetic acid is in the fixer solution for this purpose.

2. **Clearing:**

The fixer solution also clears the undeveloped silver halide grains from the film. Ammonium or sodium thiosulfate is used for this purpose. The unexposed grains leave the film and dissolve in the fixer solution. The silver that accumulates in the fixer during the clearing activity can be recovered; the usual method is to electroplate it onto a metallic surface within the silver recovery unit.

3. **Preservative:**

Sodium sulfite is used in the fixer as a preservative.

4. **Hardener:**

Aluminum chloride is typically used as a hardener. Its primary function is to shrink and harden the emulsion.

Silver in the Environment:

1. About Silver:

Silver is a naturally occurring element and a precious metal. It is unique in its ability to react to light and produce images in applications such as photography and radiography (*X-rays*). No other metallic element possesses these properties. Silver is released from photographic films, papers, and plates during development and printing processes and can be successfully recovered from waste streams (*i.e., used processing chemicals*) for reuse.

2. Environmental Effects of Silver:

Silver is released from image processing operations as silver thiosulfate, which degrades in the presence of oxygen to primarily silver sulfide, and to a much lesser extent, silver halide complexes. These compounds are non-toxic to plants and organisms, very stable, insoluble, and immobile in the environment. Silver is not significantly taken up by plants and does not bioaccumulate.

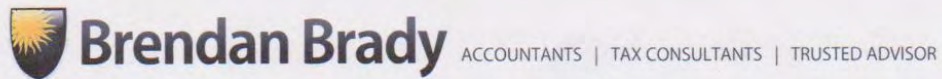
Sulfides and halides, the hydrated or "*free*" silver ion is potentially toxic to aquatic organisms. However, this form of silver is rarely found in the environment because it combines so readily to form non-toxic complexes with common organic materials found in natural waters. The "*free*" form of silver is not a normal component of photographic and imaging waste streams. Although silver in its most common forms has no adverse human health effects and no apparent adverse environmental effects, because it is a precious metal capable of being reclaimed and reused, it is economically (*and environmentally*) sound to do so.

The job of fixer is to remove the unexposed silver halide. The developer has already reduced the exposed silver halide. However, over time even without developer the remaining unexposed silver halide will become exposed and change colour. The fixer removes this unexposed silver halide from the emulsion. This process runs to completion. Once gone it's gone. There is considerably leeway in the length of the fixer bath because not much happens once the unexposed silver has been removed. However, eventually other things happen like the emulsion or backing starts getting dissolved or excessively water-logged, which can soften it and make it more susceptible to scratching until finally dried again.

ATTACHMENT C.1. Technical Competence and Site Management

- The Applicant proposes to operate the business himself
- The operation consists of unloading photographer fixer solution, linking the retrieved solution to the processing unit on site, then when processes will be reloaded and removed by a licensed carrier, to be disposed of finally in the U.K.
- The Applicant is a qualified Electrical Engineer and is of good character.
- Experience in this process is from laboratory development to proving feasibility.
- Letter/Character Reference – Attached, page over

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Date: 12th December 2012

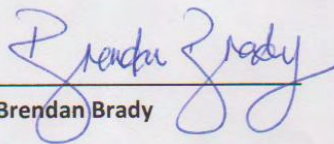
To Whom It May Concern:

Re: Badri Gharzeddine

I have known Badri Gharzeddine in both a personal and professional capacity for a number of years. I have managed his tax affairs for the past the two years, during this time I have known him to be dependable, reliable, hard-working, conscientious and honest.

I'm happy to provide further information if required.

Regards


Brendan Brady

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Census Professional Services Ltd T/a Brendan Brady Accountants & Tax Consultants
Crumlin Cross, 64 St. Agnes Road, Crumlin, Dublin 12
Tel 015446809 : email brendan@brenbrady.com : www.brenbrady.com
Directors: Brendan Brady, Lucia Villasenor. Registration number 464236

ATTACHMENT C.3. Hours of Operation

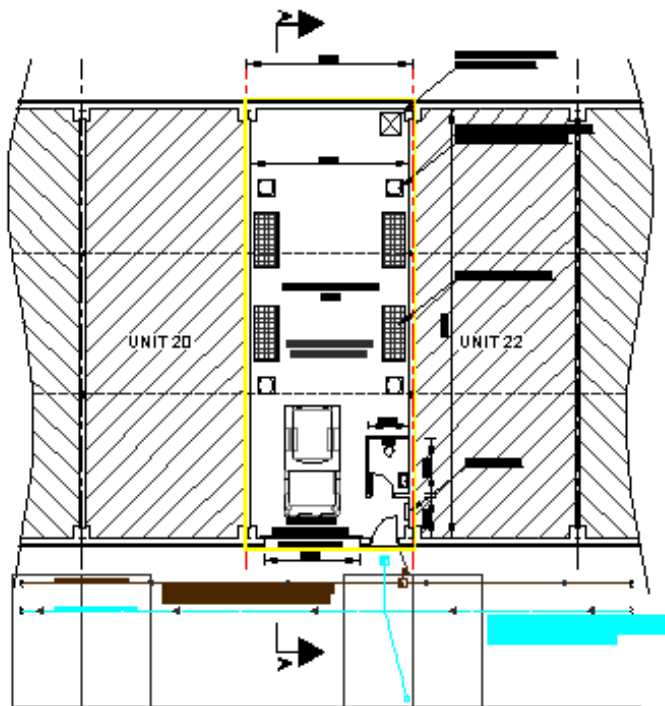
- | | |
|---|----------------------------------|
| a) Proposed Hours of Operation: | Monday – Saturday: 08:00 – 18:00 |
| b) Proposed Hours of Waste Acceptance/Handling: | Monday – Saturday: 08:00 – 18:00 |
| c) Proposed Hours of any construction and development works at the facility and timeframes: | N/A |
| d) Any Other Relevant Hours of Operation Expected: | N/A |

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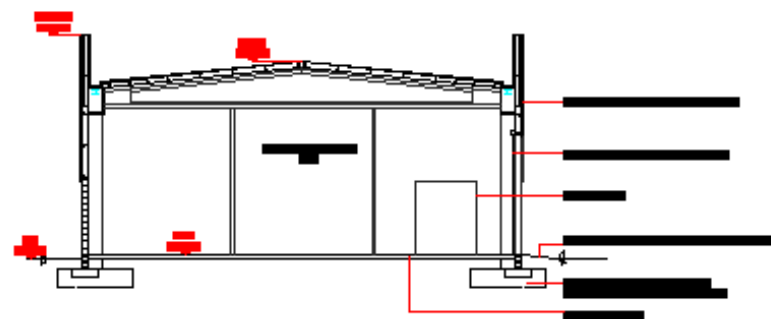
ATTACHMENT D.1. Infrastructure

- Proposed Plans & Elevations – Attached, page over
- For Site Location Map, please see Attachment B.2.
- For Site Plan, please see Attachment B.6.

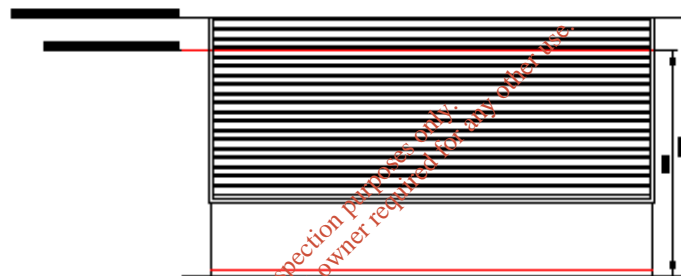
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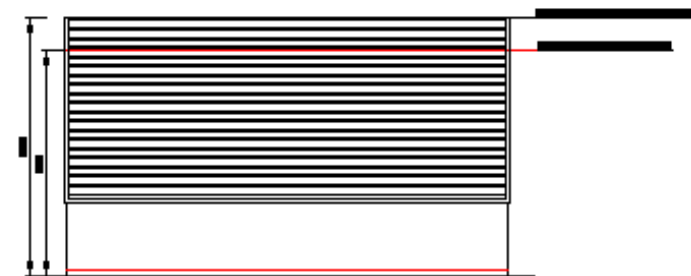
PROPOSED FLOOR PLAN
area = 89.75msq
scale 1:800



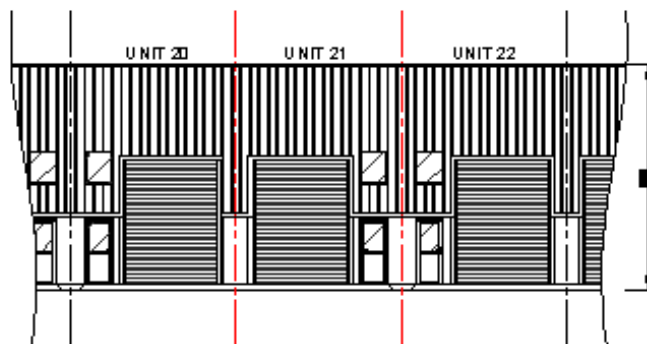
PROPOSED SECTION 'A-A'
(no change)
scale 1:800



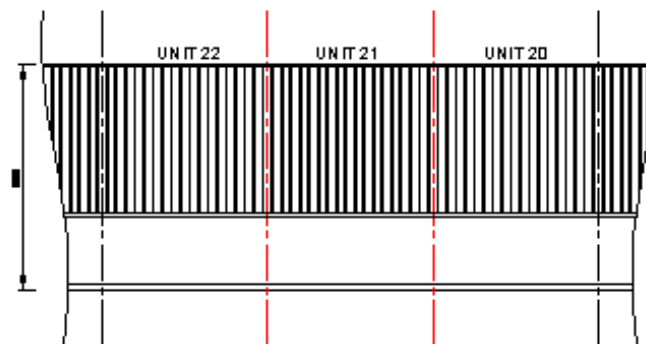
PROPOSED WEST FACING ELEVATION
(no change)
scale 1:800



PROPOSED EAST FACING ELEVATION
(no change)
scale 1:800



PROPOSED SOUTH FACING ELEVATION
(no change)
scale 1:800



PROPOSED NORTH FACING ELEVATION
(no change)
scale 1:800

- NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NO: 1009/12/01, 03 AND THE SPECIFICATION
2. ALL MATERIALS, CONSTRUCTION, AND FINISHES TO MATCH EXISTING.
3. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE PLANNING PERMISSION CONDITIONS AND THE CURRENT BUILDING REGULATIONS.

LEGEND:

BOUNDARY LINE ---
PROPOSED WORKS ---

Consent for inspection purposes only. Copyright owner required for any other use.

no.	revision	date
EDMOND J. DESMOND & ASSOCIATES BUILDING & PLANNING CONSULTANTS 88 WINDMILL AVENUE, BAYNARDS, Co. DUBLIN PH: 01800 106, FAX: 01800 044, MOBILE: 0872775947		

client: BADRI GHAFER EDDINE, UNIT 21, GREENOUGE INDUSTRIAL ESTATE, REDZONE 6 12, RATHCOOLE, Co. DUBLIN.

PROPOSED PLANS & ELEVATIONS
--

scale: 1:800	drawing no: 1009/12/02
date: JUN '12	
drawn: ED	

ATTACHMENT D.2. Facility Operation

- The plant is a typical light industrial unit, situated at Unit 21, Greenouge Industrial Estate, Redzone 613, Rathcoole, Co. Dublin 3
- For Proposed Layout of Unit, please see Attachment D.1.
- Methods and processes and operations are set out in Attachment B.7. and Attachment C. 1.
- The alternative to this process is to continue with the current arrangements, which is to export our used photographic fixer waste, at a cost, for treatment in the United Kingdom.

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ATTACHMENT G.2. Energy Efficiency

- The process for this waste treatment facility will consist of 4 no. Electrolytic Recovery Units.
- Each unit will run on regular 220voltage energy supply.
- Which will be transformed to a very low amperage and therefore using much less energy than a normal light industrial workshop.

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ATTACHMENT H.5. Waste Recycling and Recovery

- For requirements of the regulations (waste Directive), please see Attachment B.7.

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ATTACHMENT J. Accident Prevention & Emergency Response

- The process and materials involved are non-hazardous.
- The waste treatment unit will operate between the hours of 08:00 – 18:00, Monday to Saturday Only, (Not including Bank Holidays)
- In the event of spillage – Spillages can be mopped up and returned to reinforced plastic containers. (non-hazardous materials)

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ATTACHMENT L.1. Section 40(4) WMA

- Sections (a) to (j) of Section 40(4) of the Waste Management Act have been taken into account in preparation of this application.
- A screening report is not required for this application.
- A Natura Impact Statement is not required for this application.

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ATTACHMENT L.2. Fit and Proper Person

- The Applicant, Mr. Badri Gharzeddine has been known to me, Edmond Desmond, for circa the last ten years.
- Mr. Gharzeddine operates a successful electrical business and has a degree in Electrical Engineering.
- Mr. Gharzeddine has never been convicted of any offence.
- Cessation of the process has no environmental impact. Cleaning up, should cessation occur, will involve removal of equipment and returning the unit to its prior condition as the waste being processed is completely non-hazardous.
- For Character Reference from Mr. Brendan Brady (Accountant), Please see Attachment C.1.
- Certificate of Registration of Business Name "Enviro Star Solutions" – Attached, page over.

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No. 469870

Registration of Business Names Act, 1963

CERTIFICATE OF REGISTRATION

Business Name:

ENVIRO STAR SOLUTIONS

Principal Place of Business:

**UNIT 21 GREENOGUE INDUSTRIAL ESTATE
REDZONE 613
RATHCOOLE
DUBLIN 24**

Person(s) who has registered this Business Name:

BADRI GHARZEDDINE

I HEREBY CERTIFY that a Statement of Particulars in respect of the above Business Name pursuant to Section 4 of the above mentioned Act was registered on 21st June, 2012



For the Registrar of Business Names:

Dated this: **15th August, 2012**

The above Act requires the display of this certificate (section 8(2)), that any changes in the registered particulars be notified to the Registrar (section 7) and the cessation of the registration of the business name if the person registered in respect of the name ceases to carry on business under that name (section 12(1)). The relevant forms may be obtained from the Registrar of Business Names, Parnell House, 14 Parnell Square, Dublin 1 or at www.cro.ie.

ATTACHMENT L.3. Waste Hierarchy

- "Section 21A" of the Waste Management Act 1996, as amended, together with article 12 (1) (v) of the Waste Management (Licensing) Regulations 2004 have been taken into account in preparation of this application.
- The process involved in our proposal simply interrupts the existing procedure to allow valuable deposits to be removed and then the solution sent on its way again.
- All handling and transport conducted by existing licensed waste carriers.

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