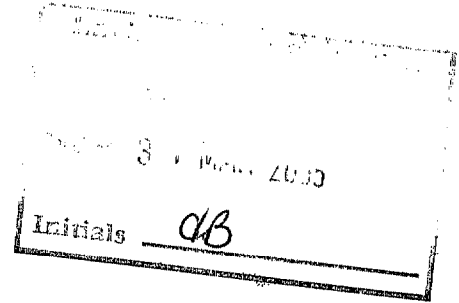


219-1

Waste Licensing,
Environmental Protection Agency
P.O. Box 5000,
Johnstown Castle Estate,
County Wexford.29th March 2005Our Ref.: MDE0202Lt0029
File Ref.: 340**Re: Waste Licence Application by Organic Gold Marketing Ltd.**

A Chara,

We are pleased to enclose a Waste Licence Application for the Organic Gold Composting Facility at Wilkinstown, Navan County Meath.

A cheque for the required fee €6,349 is attached to this letter.

Your attention is drawn to a number of points for information:

- A pre-application meeting was held with Dr. Tom Mc Loughlin of the EPA in August 2004.
- There has been a minor revision to the site boundary since the EIS was completed in January 2005 – this relates to a small area of land at the entrance which has now been included in the site boundary for planning and waste licence purposes, and does not materially affect the EIS which is still fully valid in supporting this application.
- Following completion of the EIS main document, a Public Consultation Report was prepared which followed up on local consultation measures for the proposed facility. This has been submitted to Meath County Council in support of the current planning application and we have attached 4 copies here as well in support of this application. Further copies can be supplied if required.
- Meath County Council have been made aware of the fact that this application is being made to the Agency (the inserted letter dated 21/3/2005 from Meath County Council confirms the Planning Application is being dealt with by them, MCC mention “a licence under the EPA Act” but we can confirm that the notification by Organic Gold stated a “Waste Licence under the Waste Management Act”.)
- Organic Gold currently operate under Waste Permit from Meath County Council, two Permits are included in the Application: ref No. 200/17 and 2002/26. The former was issued when the facility dealt mainly with manufacture of fertiliser, the latter issued in relation to the outdoor composting yard.

We trust that the application is in order. Feel free to contact the undersigned or Lorraine Herity at our office if you need any further assistance.

Yours sincerely,



Conall Boland
For & Behalf of RPS-MCOS

CB/cb

cc: John Finnegan, Organic Gold Compost Limited

Enclosures:

- Cheque
- Waste Licence Application – original plus 3 No. copies, 1 No. CD copy
- Environmental Impact Statement – 3 No. copies plus 11 No. CD copies
- Public Consultation Report (4 copies, stapled)

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

23/03/05



With Compliments

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

Conall,
Please find enclosed
public notice ad., planning
permission and cheque
for EPA as requested.

Regards
Cindy

ORGANIC GOLD (MARKETING) LTD.

Wilkestown, Navan, Co. Meath Telephone: (046) 9054149 & 9055875 Fax: (046) 9054923

E-mail: organicgold@eircom.net

CD Placeholder

This page denotes that a CD entitled "Waste Licence Application" dated 31/03/05 was submitted as part of this licence application.

The CD is held by the EPA at

Licensing Unit,
OLG,
EPA,
P.O. Box 3000,
Johnstown Castle Estate,
Wexford.

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

maxell CD-R 80XL-S 700MB



PRECAUTIONS

Maxell's only obligation shall be to replace such quantity of the product proved to be defective in material workmanship upon receipt. Maxell does not guarantee the recorded data on the CD-R for any reason. The user determines the suitability of product for intended use and assume all risk.

Caution for use Standards, not may not able to be able to write

SICHERHEIT

Falls dieses Produkt sollte, wird es anprüche, ein genommen.

Achtung! Dies Book Part II. Je werke die Disk Möglicherweise auf diese Disk

PRECAUCIONES

Maxell s'engage a remplacer tout produit défectueux lors de son utilisation ou tout produit présentant une défectuosité. Maxell ne garantit en aucune façon les données enregistrées sur le CD-R. L'utilisateur doit déterminer la conformité du produit en fonction de son utilisation et donc assumer tous les risques encourus dans le cas contraire.

Precautions d'emploi: ce CD-R80XLS est conforme à la norme Orange Book Part II. Cependant certains lecteurs graveurs ainsi que certaines applications ne pourront accepter ce CD-R de forte capacité. Certains graveurs ne pourront pas enregistrer sur ce disque à vitesse réelle (1x).

Maxell Europe Ltd.

Apley, Telford, Shropshire TF1 6DA, United Kingdom • Phone: (+44) 1952-522 222

Maxell Asia (Singapore) Pte. Ltd.

10 Anson Road #25-06, International Plaza, Singapore 079903 • Phone: (+65) 6220-9291

Maxell Asia, Ltd.

506, World Commerce Centre, Harbour City, Phase 1, Canton Road, Kowloon, Hong Kong
Phone: (+852) 2730-9243

Hitachi Maxell, Ltd.

2-18-2 Jidabashi, Chiyoda-ku, Tokyo 102-8521, Japan • Phone: (+81) 3-5213-3522

PRECAUZIONI

La Maxell si ritiene responsabile soltanto per la sostituzione del prodotto che, al ricevimento, risulterà difettoso nel materiale o fabbricazione. Maxell non garantisce in nessun modo i dati registrati sul CD-R. L'utente controllerà che il prodotto risponda alle

assume tutti i
ord dell'Oran-
zione software
po ad elevata
sità di scrivere
slo disco.

PRECAUCIONES

ndo se prube
n. Maxell no
n que seal El
l del producto
al mismo.

requisitos del
as factoras o
lla capacidad
bajo el tiempo

VOORZORGSMAATREGELEN

Maxell vervangt alleen producten die na ontvangst bewezen defecten in materiaal vertonen. Maxell neemt geen enkele verantwoordelijkheid voor de op de CD-R beschreven data. De gebruiker stelt de geschiktheid voor gebruik vast, en neemt alle risico's en aansprakelijkheid hiermee op zich.

Waarschuwing voor gebruik: Deze CD-R80XLS is overeenkomstig de Orange Book Part II standaard, echter sommige loopwerken of software voor opname toepassingen kunnen deze disc met hoge capaciteit niet beschrijven. Sommige loopwerken zijn mogelijk anderszins niet in staat deze schijf met één op één (1x) opnamesnelheid te beschrijven.



WASTE LICENCE APPLICATION

219-1

Consent only for other use. requires other use.

215-1

ORIGINAL COPY OF APPLICATION



Waste Licence Application Form

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

EPA Ref. N^o: <i>(Office use only)</i>	<input type="text"/>
--	----------------------

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

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

Received 31 March 2005

Initials VB



Waste Licence Application Form

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

EPA Ref. N ^o : <i>(Office use only)</i>	<input type="text"/>
---	----------------------

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

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



WASTE Application Form

Environmental Protection Agency

Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

CONTENTS

	Page
PROCEDURES	11
SECTION A NON-TECHNICAL SUMMARY	13
SECTION B GENERAL	23
SECTION C MANAGEMENT OF THE FACILITY	34
SECTION D INFRASTRUCTURE & OPERATION	39
SECTION E EMISSIONS	52
SECTION F CONTROL & MONITORING	55
SECTION G RESOURCES USE & ENERGY EFFICIENCY	59
SECTION H MATERIALS HANDLING	63
SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY	68
SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE	71
SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE	75
SECTION L STATUTORY REQUIREMENTS	76
SECTION M DECLARATION	80
 APPENDIX A – DRAWINGS	

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

INTRODUCTION

A valid application must contain the information prescribed in the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004). The application should conform to the format set out in this application form and the relevant *Guidance Note*. Each page of the completed application form must be numbered, e.g. page 5 of 45, etc. **Wherever possible, information should be supplied in the spaces given in the application form. Additional information can be included in clearly identifiable, numbered attachments, which should be cross-referenced with the relevant sections in the application form. A contents list should be included with each volume.** The applicant should refer to the *Guidance Note* in order to ensure that the application includes all the information required. Consistent measurement units must be used throughout.

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.

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

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	Section B1	
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	Section B3	
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 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	Section B2	
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	Sections D and H	
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 Act, and in the case of an application in respect of the landfill of waste, specify the class of landfill in accordance with Article 4 of the Landfill Directive,

LOCATION	Section B.7.1	
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	Section H	
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	Section G	
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	Section D and Section C4	
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	Section L1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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	Section E	
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	Section F	
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	Section F	
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	Section H4	
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	Section H4	
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	Section J	
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	Section K	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

LOCATION	NOT APPLICABLE	
CHECKED	Applicant <input 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	
CHECKED	Applicant <input 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	Section B8	
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	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>



WASTE Application Form

(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	Section A	
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 or newspapers in which the notice in accordance with article 6 has been published,

LOCATION	Attachment B.6	
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 B.6	
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 B.3 (letter from MCC with Planning ref. No.)	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(d) a copy of such plans, including a site plan or plans and location map or maps, and such other particulars, reports and supporting documentation as are necessary to identify and describe, as appropriate -

(i) the position of the notice in accordance with article 7,

LOCATION	Appendix A	
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	Appendix A and accompanying EIS	
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	Section F and accompanying EIS	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

INCLUDED Y/N	Cheque Attached to Cover Letter	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 12(5)(a) An application by a local authority in respect of the carrying on of an activity at a facility within the functional area of the authority shall be accompanied by 2 copies of the application and of all accompanying documents and particulars as required under sub-article (4).

PROVIDED Y/N	Not Applicable	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

Article 12(5)(b) An application other than one to which paragraph (a) refers shall be accompanied by 3 copies of the application or such other number of copies as the Agency shall determine and of all accompanying documents and particulars as required under sub-article (4).

PROVIDED Y/N	YES	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 12(5)(c) For the purposes of paragraphs (a) and (b), all or part of the necessary copies of the said application and associated documents and particulars may, with the agreement of the Agency, be submitted in a computer or other non-legible format specified by the Agency.

CD version as PDF files PROVIDED? Y/N	YES	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>



WASTE Application Form

Article 13 Where a development requires an Environmental Impact Assessment to be carried out, 3 copies of the environmental impact statement plus 11 copies on CD should accompany this application.

EIA REQUIRED ? Y/N	YES	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
3 HARD COPIES OF EIS INCLUDED ? Y/N	YES	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
11 CD versions of EIS, as PDF files, PROVIDED? Y/N	YES	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 13 (6) Notwithstanding the requirements of sub-articles (1) and (2), all or part of 3 copies of the environmental impact statement may, with the agreement of the Agency, be submitted in a computer or other non-legible format specified by the Agency.

CD version PROVIDED? Y/N	YES	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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 Acts 1996 to 2003.

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

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

- All drawings submitted should be titled and dated.
- They should have a **unique reference number** and should be signed by a clearly identifiable person.
- They should indicate a scale and the **direction of north**.
- All drawings should, generally, be to a scale of between 1:20 to 1:500, depending upon the degree of detail needed to be shown and the size of the facility. Drawings delineating the boundary can be to a smaller scale of up 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. Provide legends on all drawings and maps as appropriate.

Applicants must submit a signed original of the completed application, plus three copies (two copies where the application is by a local authority in respect of the carrying on of an activity located within the functional area of the authority)¹. In cases where an Environmental Impact Statement (EIS) is required then the Agency must be supplied with three copies of the EIS. In addition the applicant must submit one copy of the complete application on a CD-ROM, and eleven CD-ROM copies of the EIS to the Agency. The e-files should be saved as a ‘pdf’ file, read only status.

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

¹ Article 12(5) of the Regulations

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**.

Attachment A.1 - Non-Technical Summary

1. Background

Organic Gold (Marketing) Ltd. is an established waste composting facility located in the townland of Wilkinstown, Navan, Co. Meath. Wilkinstown is a small village set in an agricultural area. The site is located 10 km's north of Navan along the R162 to Nobber and is located approximately 380 metres from the crossroads in Wilkinstown village. The site has been in the ownership of the Finnegan family for a number of decades where farming was the main enterprise for many years. Organic Gold have been involved in composting activities at this site since 1986 where they have been producing 'Organic Gold' a multi-purpose compost, which is widely sold in Ireland. A Site Location Map is provided in Appendix A of this Application and accompanying maps, drawings and photographs are in the EIS accompanying this application.

Summary Details

Applicant	Contact Details	Location	Local Authority
Organic Gold (Marketing) Ltd	Mr John Finnegan Tel (046) 905 4149 Fax (046) 905 4923	Wilkinstown, Navan Ordnance Survey Grid reference E284 687 N277 219	Meath County Council

The Organic Gold outdoor composting facility has operated under a Waste Permit from Meath County Council since 2002, in this period they successfully composted green waste, sludge and wood chips in outdoor windrows on part of the existing slab which was on an agricultural farmyard. In February 2004 the company decided to remove existing farm building and make more room for composting. At this time (and particularly due to space and operational constraints) nuisance odours were generated and Meath County Council responded with temporary restrictions on operations.

Organic Gold subsequently employed RPS-MCOS and also Odour Monitoring Ireland to respond to problems and prepare the Environmental Impact Statement (EIS) and an Environmental Protection Agency (EPA) Waste Licence application, as the company intend on increasing the amount of waste to be accepted on site from approximately 10,000 tonnes to 25,000 tonnes per annum.

At this stage, some new proposals are being put forward in the Waste Licence including the use of new technology in the form of in-vessel composting, a waste reception building and improved management and monitoring at the site. This is discussed in more detail in the Waste Licence Application, which will assess the environmental impacts of composting activities at the facility and will also point out necessary measures to be taken to minimise negative impacts resulting from all activities at the site.

2. Site Description/Current Waste Activities

The development is located on an open and elevated site with a slope gradually to the north and east. The site is bounded to the east by the R162 and to the south and west by a hedgerow bordered lane

way which leads to a private dwelling in a cul-de-sac approximately 260 metres from the northern boundary of the composting slab.

The existing facility is located on 4.5 hectares of land and the facility essentially consists of three parts:

1. Site Buildings and High Grade Fertiliser Shed (1.2 ha)
2. Paddock Area (1.5 ha)
3. The Composting Slab (1.8 ha)

Drawing MDE0202 DG004 A04 in Appendix A outlines the Site Layout for the facility indicating the existing and proposed infrastructure.

Site Buildings and High Grade Fertiliser Shed

There is a fertiliser production shed on the site, which was erected in 1993 and is typical of agricultural buildings on a farmland. Retail multi-purpose compost known as 'Organic Gold' and a high-grade fertiliser product is produced and bagged in this shed. This activity has not been the source of any local complaint and no changes to current operations are proposed.

Site accommodation comprises a designated site office located to the front of the fertiliser production shed, an entrance lobby to the office and staff toilet and washing facilities. Car parking spaces are also available outside the office area. A weighbridge is in place to record waste loads entering and leaving the site.

Paddock Area

The paddock is 1.5 ha in area and consists of typical agricultural grazing grass and is fenced off from the other areas of the site. No waste recovery operations take place in the paddock area.

The Composting Slab

The composting slab forms the main part of the facility where all composting operations take place. The slab is located on 1.8ha with a boundary wall of 1.5 metres high, built around it to enclose the slab area. There is also an additional 1.5 metre high earthen embankment outside the wall where extensive landscaping has been undertaken and 2,100 tree saplings have been planted to enclose and screen the site. There is also a 1m tall windbreak mesh erected on top of the perimeter wall, which reduces wind speed and increases the efficiency of the misting system installed to reduce odour impacts.

3. Proposed Expanded Waste Activities and Tonnages

Organic Gold proposes increasing the amount of waste accepted on site for composting from approximately 10,000 up to 25,000 tonnes. The material to be composted will be similar to current waste intake i.e. sludge, green waste, wood chip and other commercial organic materials. However, in the future greater emphasis will be placed on process control, odour nuisance prevention, waste acceptance and housekeeping procedures including health and safety for employees.

Hours of Operation

The facility will operate from 07.00 to 20.00 Monday to Friday and from 07.00 to 14.00 on Saturdays.

Hours of Waste Acceptance / Handling.

The facility will accept and handle waste from 08.00 to 19.00 Monday to Friday and from 08.00 to 13.00 on Saturdays.

Classes of Activity under the Waste Management Act

Waste Recovery Activities under the Fourth Schedule of the Act

Class 2: This is the **Principal Activity** on site and consists of the recovery of organic waste from municipal, industrial and commercial sources such as green waste, wood chip, sludge and a mixture of other organics such as brewers grain. The dried slurry will be recovered thorough mixing with peat to produce a commercial soil improver. Dried sludge will be recovered and mixed with other inorganics to produce a high-grade fertiliser. Other organic waste will be recovered through windrow composting producing a compost product.

Class 4: This activity would involve the acceptance of soil and subsoil's on site to be mixed with the compost producing an enhanced soil product.

Class 10: The use of finished compost as a soil improver with beneficial consequences for land to which it is added in land remediation projects.

Class 11: The use of waste obtained from licensed recovery activities.

Class 12: The exchange of wastes for reuse/recycling/recovery at the facility.

Class 13: The temporary storage of waste at the facility pending collection for further recycling and recovery.

Waste Disposal Activities under the Third Schedule of the Act

Class 11: The Blending or mixing of waste prior to disposal.

Class 12: Repackaging of wastes prior to disposal.

Class 13: The temporary storage of waste at the facility pending collection for disposal.

TABLE A.1 SUMMARY WASTE TYPES AND QUANTITIES

WASTE TYPE	(Current) TONNES PER ANNUM (2004)	(Proposed)* TONNES PER ANNUM Total 25,000 tonnes
Household	1,365	7,000
Commercial	6,004	8,000
Sewage Sludge	2,627	8,000
Industrial Non-Hazardous Sludges	248	2,000

* Note the exact mix of wastes accepted can not be predicted, since it depends on commercial forces – the maximum tonnage will remain at 25,000 tpa but the breakdown of the tonnages may vary from shown above. The 'European Waste Catalogue' codes for the specific waste types proposed are presented in Table H.1(D) of the application.

4. Proposed Site Infrastructure

A number of proposals for development of the site are made in this Waste Licence Application (and accompanying EIS) to minimise negative impacts resulting from all activities at the site and include the following:

- The construction of a waste reception building on the composting slab;
- The use of modular in-vessel composting units for treating all waste arriving on site;
- Improving the site entrance to allow for double lane traffic and improved sight lines safety for traffic entering and leaving the site;
- Improved signage at the site;
- Installation of security gates at the site entrance and the entrance to the composting slab;
- Upgrading of the internal access roads;
- Installation of fire hydrants at various points through the site;

Further details of the main elements are provided below.

Proposed Waste Reception Building

WASTE Application Form

The waste reception building will be constructed as part of an odour mitigation measure where all waste handling such as waste inspection, storage and blending will take place. The building will contain a waste inspection area, storage bays for waste material and a waste quarantine area. All material in the waste reception area will be blended and placed in the in-vessel units within 24 hours, so to prevent potential odours being emitted from the reception area. Its design and finish will resemble a simple agricultural building with a view to integrating into the existing area.

In-Vessel Composting System

The Wasteology in-vessel composting system will be used on site for the rapid decomposition of the waste material over a two-week period. The in-vessel units are made out of pre-cast concrete and are modular in nature. Six in-vessel units will be required to treat 1,000 tonnes of waste over a two week period. However, as part of a contingency plan it is proposed to employ eight of these units so that there is some available capacity to allow for maintenance and repair of composting units.

The individual units which are 15m long, 8m wide and 2.5m high and are based on the Alfabloc instant walling system which will be placed on the existing concrete slab. The units are unique in that they have a retractable roof manufactured out of a PVC coated material. The retractable roof can be either manually or mechanically retracted during loading and unloading of the units. The material in the roof has been designed to withstand severe weather conditions. Air handling units control air flow through the composting material and maintain appropriate temperatures. Safety rails around the top of the wall of the units ensures operator safety during site operation. The Wasteology system is designed as a modular and flexible system.

Revised Site Entrance

The existing site entrance will be altered to allow for double lane traffic and improved site safety and sight lines onto the R162.

5. Proposed Processing of Waste Material

Reception of Material and Mixing

All the waste accepted on site will undergo inspection in the waste reception building before it is stored in the storage bays. Bulking materials such as wood chip and saw dust are required in the composting process as these materials provide a carbon source on which microbes can feed off. The organic waste material provides the nitrogen sources required by microbes for cell growth and functioning.

Organic Gold have found that the best mixture for matrix materials of wood chip, green waste and sludge is a 1:1:1 ratio. These materials will be blended together in that ratio in the waste reception building.

In-Vessel Compositing Units

All material will be moved to the enclosed composting vessels within 24 hours of arriving on the site, using front loaders. The roof will be retracted to allow for the vessel to be filled. Each vessel can hold approximately 180 tonnes of material depending on the materials bulk density.

The material will be allowed to decompose under forced aerated conditions at a temperature of approximately 60°C over the length of the entire process. The vessels are fitted with fans, which constantly force air up through the composting material via air ducts on the bottom of the units and will maintain aerated conditions in the composting material. The ventilation air is circulated within the system containing any odours from the composting process.

Thermometer probes are manually inserted throughout the material in the unit to allow for temperature to be recorded. Any leachate produced will be stored in a storage tank on the slab, before being recirculated back into the composting vessels or the maturing compost in the windrows, as required.

After 2 weeks of rapid decomposition the volume of waste material will have been reduced by 25% and the compost produced will be stabilised and pathogen free, according to the manufacturer of the Wasteology System. The roof will be retracted and the compost moved to a maturation area using a front loader.

Maturation Stage (Outdoor Windrow Composting)

To ensure a quality product is produced, the compost will be removed from the vessels and be allowed to mature in outdoor windrows on the maturation pad.

Windrows will be constructed in a similar fashion to current practice, using front loaders and formed into piles approximately 90-100m long, 3.5-4m wide and 1.5m high. Each windrow will be capable of holding approximately 200-300 tonnes of compost. A maximum of 12-15 windrows will be required to allow the compost to mature sufficiently. Windrows will be turned approximately 5 times during the maturation period or as temperature dictates to ensure that the windrows are kept aerated. Moisture levels of around 50 to 55% must be maintained to avoid drying out of the process. If the material is seen to be too dry stored leachate will be recirculated back into the process and moisture conditions maintained. Optimum moisture levels are required for optimum microbial growth.

The maturation period will take approximately 6 weeks at which time a fully stable, sanitised and mature compost product will be produced in compliance with EPA quality specifications within the future EPA Waste Licence.

Waste Prevention, Minimisation, Recovery and Disposal

The facility will be operated with a view to maximising the amount of material composted and good operation and monitoring and also good housekeeping practices will be employed to prevent & minimise waste, and to recycle any material such as packaging. Any waste generated will be separately stored and sent to an authorised waste disposal facility using authorised carriers.

6. Plant & Equipment

The main types of plant equipment used at the site are described below. A more complete inventory of equipment is in the main Waste Licence Application.

Composting of Organic Waste at The Compost Slab

- Wasteology In-Vessel Units (x8) holding 180 tonnes of organic waste. Each unit is 8 metres wide, 15 metres long and 2.5 metres high to the walls. Details in Appendix to this Licence Application.
- Backhus 15.5 Compost Turner - Purpose built self-propelled compost turning machine.
- Woiberforce Shredder – for shredding green waste and wood waste.
- Idrotech Odour Control Fogging System, erected along the compost slab perimeter with spray nozzles at 1.5 metre intervals. It is controlled by a wind directional change using a plc-controlled system.

Other equipment includes a mechanical loading shovel with air conditioned cab, two 14 tonne tipping trailer with roll over cover, a trailer which can hold 40 m³ of material with a special mechanism to prevent spillages of material, a tractor and a 3000psi Three Phase Power Washer.

Processing of Organic Gold Retail Fertiliser

The equipment used in this process includes a mechanical loading shovel, an agricultural muck spreader (rear flails) converted for compost turning, a grader for screening compost, a compost blending hopper and elevator to bagging plant, an air compressor for bag flushing, compost bag heat sealer, a pallet wrapping machine a tractor and a forklift.

High Grade Fertiliser Production

Additional equipment for use in this process includes an 8 tonne storage bin, an 8 tonne blending bottle (batch type purpose built aspiration unit with air extraction filter system and a 50 KVA Generator for back up purposes.

7. Potential Emissions and Environmental Impacts

Potential emissions and impacts which may arise as a result of waste composting activities at the proposed development are outlined below. Mitigation measures are also provided where applicable. The subjects of greater significance are discussed first.

Potential Odour Impacts

Odour dispersion modelling was conducted by Odour Monitoring Ireland to predict the potential odour impact the proposed facility would have on nearest receptors, working at a full capacity of 25,000 tonnes and during a worst case meteorological conditions i.e. stable, low wind conditions.

The model predicted that (following the implementation of in-vessel composting technology, the building of a waste reception building for waste delivery, mixing and blending, the use of a mist air system and improved odour management practices at the proposed site), minor odour impact may be perceived in the vicinity of the facility at less than 6 'odour units' for not more than 175 hours in a year. This is a similar level of impact as modelled for the existing facility and current waste intake using just a windrow system.

This however is based on a worst-case scenario and will only occur during meteorological conditions that do not favour odour dispersion (stable, low wind speed).

Odour Mitigation Measures Proposed

- A clear and precise odour management plan will be developed for the site so as to eliminate any significant odour emissions events. This will be integrated into the future environmental management system.
- The proposed use of in-vessel composting units, an enclosed waste reception shed and the mist air system will also help to reduce odour emissions at the site. The material will be greatly reduced in offensiveness after undergoing first stage in-vessel composting.
- That heavy-duty plastic curtains will be installed upon the inlet and outlet door of the waste reception building to reduce air circulation.
- The mist air system will continue to operate at the boundary of the site and will be regularly maintained to ensure odour reduction at the site.
- Odour management practices at the proposed site will need to be precise to eliminate odour impact and will include the following:
 - All raw material will be removed from the waste reception building within 24 hours and placed in the in-vessel composting units;
 - A closed-door strategy will be maintained upon the waste acceptance/mixing/blending building and only one door will be opened for a maximum of 15 minutes per hour;
 - Application of waste acceptance procedures will ensure that problematic odorous material will not be accepted at the site for treatment;
 - All mixing will be carried out indoors;
 - Sufficient bulking material will be kept on-site to be mixed with the incoming raw material.
 - Meteorological conditions will be taken into consideration when turning windrows and windrows will be turned regularly to maintain aerated conditions;
 - The moisture content, temperature and Carbon:Nitrogen ratio within the windrows will be kept at optimum conditions to favour microbial activity with the piles;
 - Leachate will be recycled back into the process in an appropriate manner. The recycled leachate should be applied evenly and in close proximity to the windrows

WASTE Application Form

- Monitoring of odour emissions according to any requirements of future EPA Waste Licence.
- Organic Gold Marketing Ltd have agreed in principle that a biofilter will be installed at the proposed facility if negative odour impact occurs.

Potential Air Quality (Dust) Impacts

Baseline monitoring for dust was carried out, the main potential sources were identified as the composting slab and the site entrance. With proposed improvements to both these areas and the implementation of mitigation measures, no negative impacts are predicted for the surrounding environment. Future proposals for the site include the construction of a waste reception building and an improved site entrance. All waste will be delivered to the reception building where it will be mixed and blended before being introduced into the in-vessel units for composting. The enclosed building and the use of enclosed in-vessel units will reduce dust emissions arising at the proposed development during the blending and first stage of composting. After treatment in the in-vessel units the compost material will be allowed to mature outdoors. This material may become dry, especially in dry weather conditions and could potentially cause some dusty conditions to arise at the site.

The improved site entrance will be asphalted and speed restrictions on traffic entering and existing the site will be in place, which will reduce dust emissions at the site.

Dust Mitigation Measures Proposed

In order to ensure that no dust nuisance occurs, a series of mitigation measures will be implemented.

- The proposed in-vessel composting units will reduce odour impacts at the site due to greater containment of dust within the units.
- Waste delivery, mixing and blending should be carried out in the waste reception building which will also help to contain dust emissions.
- Windrows in the maturation area should not be allowed to dry out to prevent dusty conditions arising. If this does occur, the windrows will be "wetted down" to prevent dust emissions occurring.
- The improved site entrance will have a significant impact on reducing dust emissions at the site.
- Site roads should be regularly cleaned and maintained as appropriate. Hard surface roads should be swept to remove mud and aggregate materials from their surface.
- Vehicles using site roads should have their speed restricted, and this speed restriction must be enforced rigidly.
- Public roads outside the site should be regularly inspected for cleanliness, and cleaned as necessary.
- All machinery and waste delivery trucks will be regularly serviced and kept in good working order to prevent further dust emissions.

Potential Air Quality (Bioaerosols) Impacts

Bioaerosols are tiny air-borne microbes (such as bacteria, fungi) that occur in nature and are generated by processes such as composting, agriculture (harvesting crops), timber processing etc. Baseline sampling was carried out at the existing facility, which found the highest levels in the composting area during turning operations, which is typical of composting sites. Concentrations were found to be at normal background levels at all of the off-site sensitive receptors (households). There is no household within 260 metres of the site. With the implementation of mitigation measures – these are similar as for dust control – no impacts are predicted.

Future proposals involve the use of in-vessel composting units for the first stage of rapid enclosed decomposition of the waste material and the delivery and mixing/blending of waste in the enclosed waste reception building. The enclosed vessels and waste reception building should further decrease bioaerosol emissions at the proposed site. Therefore, it is considered that there will be no negative impact on sensitive receptors at the boundary of the site.

Bioaerosols Mitigation Measures Proposed

Several design and operational measures can be undertaken to reduce exposure to bioaerosols. These include:

- The production of bioaerosols at composting plants are well connected with dust emissions. Dust produced at a composting plant technically is not a bioaerosol. However, it can carry microbial constituents suspended in the air (bioaerosols). So by maintaining dust levels at low concentrations by applying dust mitigation measures outlined above, at the proposed facility, bioaerosol emissions will also be controlled.
- Enclosing the composting system especially during the first stages of waste decomposition.
- Waste delivery, mixing and blending should be carried out in the waste reception building. Maintain moisture content of the windrows in the maturation area.
- Air filters should be present in cabins of mobile equipment such as the windrows turner.
- Organic Gold will provide Personnel Protective Equipment (PPE) for employees to be used while working at the site.
- Regular health screening will be made available for employees.
- Regular monitoring for bioaerosols at the nearest residences and at the site should be carried out. This is especially the case for the enclosed waste reception area where there is greater potential for employee exposure to bioaerosols due to enclosed conditions.

Noise and Vibration (Potential Impacts and Mitigation)

A baseline noise survey was carried out with day and night time monitoring to characterise the current noise environment. The increased volumes of waste and the use of fans on the in-vessel compost units may increase noise slightly. However noise emissions at the facility are not expected to have a significant impact on the nearest household.

Potential Visual Impacts and Mitigation

Existing structures present on site have been in place for some time and are in keeping with the agricultural setting. The proposed new waste reception building will be 36m long by 22m wide, with a height of 11m at the ridge and 9.6m at the eaves. Its design and appearance will be simple.

Even after considering the careful design of the building, there will be a negative impact from the new building on visual receptors in the area due to its height and the impact will range from minor to moderate. The proposed scheme will have no significant impact upon landscape.

The objective of proposing mitigation measures is to attempt to reduce the level of visual impact at these locations from significant to not significant. This can most easily be achieved by creating screening using tree planting and the green colour of the proposed new structure will make them less visually intrusive.

In order to reduce the level of impact on the residence to the south east, the mound of spoil that partially blocks the view of the existing sheds will be extended and appropriately landscaped and planted with trees.

Human Beings (Potential Impacts and Mitigation)

The EIS considered possible impacts on community. This emphasized the need for successful odour control strategies at the facility. Other potential nuisance problems were considered including litter, pests & vermin, and fire. Appropriate mitigation measures are required – mainly operational procedures – to ensure that these do not create an impact on the local community.

Community (Potential Impacts and Mitigation)

There will a positive impact on the community due to the employment of 8 full-time staff members and other employment in support of the facilities (monitoring, technical studies etc..) However this is balanced against potential impacts discussed under odour above. At regional level there will a positive impact in that the facility will offer extra capacity for the recycling of sludge, green waste and other organic waste material, especially in light of the lack of sufficient composting infrastructure within Meath and the remainder of the North East Region. Recycling of this waste material will also help to reach national recycling target of 300,000 tonnes of biodegradable waste by 2013.

Traffic/Community/Natural Environment

There will be an overall positive impact from the construction of the new site entrance. The site entrance will be designed in accordance with design standards as set out in the 'Design Manual for Roads and Bridges' which will increase site safety. The improved site entrance will also create less dusty conditions at the site and therefore will reduce dust nuisance potential.

Ecology

Due to the creation of new habitat and screening (on spoil area) and the planting of native trees for screening purposes, there will be a positive impact on ecology at the site.

Aquatic Environment

(Surface Waters – rivers, streams) – A baseline assessment was carried out including sampling of the nearby Yellow (Blackwater) River. There are no direct discharges to surface water proposed from the composting area. Provided mitigation measures are implemented (including collecting and properly managing any composting leachate, spills etc.) in the facility design and operation, no impacts are predicted.

Geology and Hydrogeology

Given that operations will take place on impermeable surfaces, no impacts are expected. Mitigation measures (such as ensuring the integrity of the composting slab) are included, to ensure any leachate generated does not reach groundwater.

Archaeology and Cultural Heritage

A Licensed Archaeologist was employed to assess the proposed development. No impacts are predicted

Material Assets

No impact is predicted on agricultural land. Measures must be put in place to minimise odour impacts and other nuisances in order to prevent negative impacts on non-agricultural properties.

Natural Resources

Consumption of energy (electricity and fuel), water and other consumables will increase at the site due to the proposed development. However this is balanced with the environmental benefits of biological waste treatment. The facility will operate under a waste licence, which will require an environmental management system to be put in place. One aspect of this will be to minimise resource consumption.

Climate

No significant impacts predicted on local or global climate. Additional energy is used but by diverting organic waste from landfill, greenhouse gas emissions are also reduced.

8. Monitoring

The monitoring programme for dust, PM10 and bioaerosols at the proposed facility is outlined in Section F of the Application Form. It is proposed to monitor for dust three times annually and for PM10 and bioaerosols once annually.

The proposed monitoring programme for noise emissions at the facility is also outlined in Section F. It is proposed that this will be conducted annually.

9. Resources

The primary raw materials used in the facility include peat from Bord na Mona, silica sand, inorganic chemicals lignite and sea weed. Approximately 64,000 l/yr of water 60,000 units (KWh) electricity, and 11,200 litre /yr of diesel fuel will be used in facility operation. Other materials such as deodouriser for the



WASTE Application Form

misting system, degreaser and wetting agent will also be used. The quantities of resources used are outlined in more detail in Section G.I. of the Waste Licence Application.

10. Accident Prevention/Emergency Response

Emergency Procedures are outlined for the following situations:

- Fire Emergency
- Contamination Spill
- Site/Industrial Accident
- An Explosion or Discovery of a Suspicious Item etc.

Contact details for Emergency Services and site supervisors are also included. Further details are shown in Section J of the Application Form.

The European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations 2000 (S.I. No. 476 of 2000) **DO NOT apply** to this facility. The activity does not and could not give rise to an emission into aquifer of List I and List II substances therefore Council Directive 80/68/EEC is not relevant.

11. Decommissioning, Closure, Restoration and Aftercare

Decommissioning

Waste recovery activities will continue to be required to meet our national recycling and recovery targets in the foreseeable future, and as such there is no time limit for closure of the facility at present. In the unlikely event of unexpected closure, all waste material will be moved off-site to an appropriate authorised facility, and all compost product will be moved to authorised end markets. Any remaining raw materials would be returned to suppliers. Upon closure, the facility (including waste reception building) could easily be converted into agricultural farmyard use in keeping with the land use of the area. In this case, a significant amount of machinery from the facility could also be reused. The in-vessel composting units could be disassembled and either sent to another composting site or the constituent parts recycled or disposed of as required.

After Care Management

All emissions will continue to be monitored after decommissioning until such a time that Organic Gold Compost and the agency are content that the facility has been fully decommissioned and there is no potential for the release of further emissions into the environment.

12. Compliance with Section 40 (4) of the Waste Management Act

The applicant has confirmed compliance with the requirements of the Waste Management Act 1996-2003 in terms of the following: emissions shall not contravene standards or emission limit values, environmental pollution will not be caused, the proposed facility represents application of 'Best Available Technology' principles, the application complies with the North East Region Waste Management Plan, the applicant is a 'fit and proper person' under the Act to run the facility, there will be efficient use of energy, noise emissions will not breach any statutory limits, provision is made to prevent and respond to accidents/ emergencies, and provision are made for orderly closure and decommissioning (more details provided in Section L 1 of the Application).

SECTION B GENERAL

B.1 Applicant's Details

Name*: Mr. John Finnegan Organic Gold (Marketing) Ltd.
Address: Wilkinstown,
Navan
Co. Meath
Tel: (046) 9054149
Fax: (046) 9054923
e-mail: organicgold@eircom.net

* 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: Mr. John Finnegan Organic Gold (Marketing) Ltd.
Address: Wilkinstown,
Navan
Co. Meath
Tel: (046) 9054149
Fax: (046) 9054923
e-mail: organicgold@eircom.net

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

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

Address: Wilkinstown,
Navan
Co. Meath
Tel: (046) 9054149
Fax: (046) 9054923
e-mail: organicgold@eircom.net

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

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

Attachment B1

The Company registration number is 123347. A Certificate of Incorporation is included overleaf. There are currently three directors within Organic Gold Marketing Ltd., and they are as follows: John Finnegan, Tom Finnegan and Jim Finnegan.

NUMBER

123347

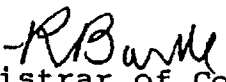
Certificate of Incorporation

I hereby certify that

ORGANIC GOLD (MARKETING) LIMITED

is this day incorporated under
the Companies Acts 1963 to 1986
and that the company is limited.

Given under my hand at Dublin, this
Tuesday, the 30th day of June, 1987


For Registrar of Companies

Fees and Deed Stamps £135.00

Stamp Duty on Capital £1.00

Mr. John Finegan,
Organic Gold Marketing Ltd,
Wilkinstown,
Navan,
Co Meath.

21st January 2005.

Dear Mr Finegan,

I wish to confirm that the land required for the necessary alternations to the site access at Organic Gold Marketing (as per map dated 21/01/05) will be made available to you if required by agreement with all parties.

Yours sincerely,

John Wogan

John Wogan

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



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 checked="" type="checkbox"/>
Lessee	<input type="checkbox"/>
Prospective Purchaser	<input type="checkbox"/>
Other (please specify)	Refer to note below

Note: The majority of the land which is subject to the application is owned and occupied by the applicant. A small area of land (55 sq metres) at the site entrance is not in the ownership of Organic Gold. The EIS determined that an improvement to the existing site entrance would be required and would involve the removal of wooden fencing and some hedgerow from a neighbour's field (namely John Wogan of Grangegeeth, Slane, Co. Meath) in order to ensure the relevant sight lines are provided. Organic Gold have come to an agreement with John Wogan who will allow them to use the part of his land to enable improvements to be made to the site entrance. A letter of agreement is attached as part of Attachment B1. Ownership of the land is outlined on the attached Site Layout Drawing MDE0202DG0002A04 in Appendix A. The land not in the ownership of Organic Gold is outlined in red hatching. The remainder of the site is in the ownership of Organic gold.

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

Name: John Wogan

Address: Grangegeeth

Slane

Co. Meath

Tel: Not Applicable

Fax: Not Applicable

e-mail: Not Applicable

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

SEE ABOVE NOTE FOR EXPLANATION OF LANDOWNERSHIP

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). A drawing showing the above details should be included in Attachment B1.

Name: John Wogan

Address: Grangegeeth

Slane

Co. Meath

Tel: Not Applicable

Fax: Not Applicable

e-mail: Not Applicable

SEE ABOVE NOTE FOR EXPLANATION OF LANDOWNERSHIP

B.2 Location of Activity

Name: Mr. John Finnegan Organic Gold (Marketing) Ltd.
Address*: Wilkinstown,
Navan
Co. Meath
Tel: (046) 9054149
Fax: (046) 9054923
e-mail: organicgold@eircom.net

* Include any townland

National Grid Reference (8 digit 4E,4N)	E 284 687 N 277 219
--	------------------------

Location maps with grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.

Original maps of the relevant area, such as maps from the Ordnance Discovery Series, from which the site grid reference can be read and confirmed, must be included in **Attachment B.2**.

Attachment B.2

A Site Location Map **MDE0202 DG001 A01** can be found in APPENDIX A. The site boundary has been outlined in red.

An original copy of the OS Discovery Series Map No. 42 is also included.

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

B.3 Planning Authority

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

Name: Meath County Council

Address: County Hall,

Navan,

Co. Meath

Tel: (046) 9077238

Fax: 046 9021463

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:-

<i>has been obtained</i>	<input type="checkbox"/>
<i>is being processed</i>	<input checked="" type="checkbox"/>
<i>is not yet applied for</i>	<input type="checkbox"/>
<i>is not required</i>	<input type="checkbox"/>

Local Authority Planning File Reference N^o:	NA 50074
---	----------

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

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

Attachment B.3

Copies of the existing planning permission ref 90/045 and Waste Permits WMP2002/26 and WMP 2000/17 issued by Meath County Council to govern waste recovery composting and fertiliser production activities at the Organic Gold facility can be found in Attachment B.3. A letter from Meath County Council dated 21/03/2005 confirming validity of the most recent Planning Application (ref NA/50074) is also included for information.

MEATH COUNTY COUNCIL

Local Government (Planning & Development) Acts, 1963 to 1983.

NOTIFICATION OF GRANT

Planning Section,
County Hall,
Navan.

To: Organic Gold Manu-
facturing Ltd.,
c/o Turlough McKevitt,
50 North Road, Drogheda,
Co. Louth.

PLANNING REGISTER NUMBER: P 90/000045
APPLICATION RECEIPT DATE: 23/02/90

Notice is hereby given that in pursuance of the powers conferred upon them by the above-mentioned Acts, Meath County Council has by order dated 22/08/1990 granted PERMISSION to the above named, for development of land, namely:-

construction of compost shed, packaging plant, new vehicular entrance from L5 (Main Road) and all ancillary works at Wilkinstown, Navan, Co. Meath.

Subject to the 28 conditions set out in the schedule attached.

Signed on behalf of said Council

Date: 15-11-1990

M. Rogers
P.P. COUNTY SECRETARY

OUTLINE PERMISSION is subject to the subsequent approval of the Planning Authority. Until such approval has been obtained to detailed plans the proposed development is not authorised.

NOTE: The permission herein granted shall, on the expiration of the period of 5 years beginning on the date of the granting of permission cease to have effect as regards:-

- (1) In case the development to which the permission relates is not commenced during the period, the entire development and
- (2) In case such development is so commenced, so much thereof as is not completed within that period.

SCHEDULE OF CONDITIONS

- 1 The development shall be in accordance with plans and particulars submitted on the 15/1/1990, 30/4/1990 and 25/6/1990 except where conditions hereunder specify otherwise.

Reason: In the interest of proper planning and development.

- 2 Surface water from site shall be prevented from running onto surface of Flemings lane and Navan-Nobber road by provision of safety kerbs with sumps drained to local drain or soakaway.

Reason: To prevent flooding of public road and in the interest of traffic safety.

- 3 All surface water from roofs and clean yard areas shall be discharged to local drains through sealed piped system.

Reason; In the interest of pollution control.

- 4 Wing walls of exit to public road shall be in stonework facing and stonework coping. Detailed plans and elevations of entrance to a scale of 1/50 shall be submitted to the Planning Authority for agreement prior to commencement of Development.

Reason: In the interest of visual amenity.

- 5 Drain at proposed entrance shall be piped with pipes of adequate capacity to take maximum flows.

Reason: In the interest of traffic safety.

- 6 All vehicular traffic to site including that to the farmyard, and including all construction traffic shall be confined to the new access road from the Navan-Nobber road R162. No vehicular traffic shall be allowed on "Flemings lane".

Reason; In the interest of traffic safety.

- 7 The new access road from R162 shall be in concrete from the public road for a distance of at least 20metres and all services to site shall be located under grassed area on edge of that road.

Reason: In the interest of proper planning and visual amenity.

- 8 The new fence along Flemings lane shall include for planting and maintenance of thorn quicks on inside boundary.

Reason; In the interest of visual amenity.

- 9 The colour of new buildings shall be dark grey, grass or dark green, dark brown, dark red or in finished concrete natural, roof colours shall be darker than wall colours.

Reason: In the interest of visual amenity.

SCHEDULE OF CONDITIONS CONTINUED

- 17 No spreading of slurry shall take place within 15 metres of an open watercourse/drain nor within 30 metres of any source of potable water, well or spring nor within 100 metres of any dwellinghouse.

Reason: In the interest of public health and pollution control.

- 18 The slurry hydro press shall be contained in an air sealed structure. All air from it shall be discharged through a bio filter system or scrubber, details of which shall be submitted to Planning Authority for agreement prior to commencement of development.

Reason: In the interest of pollution control.

- 19 Dewatered sludge shall be discharged from hydro-press via a closed chute system to a sealed container for transport to composting shed.

Reason: In the interest of pollution control.

- 20 Sludge overflow from hydro press system shall be discharged to underground slatted tanks direct and shall not discharge to exterior of building.

Reason: In the interest of pollution control.

- 21 Any proposals for flocculation of waters from hydro press shall be the subject of a full planning permission.

Reason: In the interest of planning control.

- 22 Composting building shall have two doors not greater than 5m x 5m each. Bagging building shall have one large external door not greater than 4m x 4m and on east side of building. Door between bagging area and lobby shall be self closing. Material for bagging shall be conveyed from compost area to bagging area by means of a conveyor located entirely within the building. Any extra doors shall comply with fire officer requirements as set out in condition 24.

Reason; To retain all smells within buildings.

- 23 The developer shall pay to the Planning Authority the sum of £5,000 (five thousand pounds) as a contribution to the expenditure to be incurred in improvements and alterations to public roads by the Council to serve the development. Payment of this sum shall be made prior to commencement of development. The above sum shall apply until 31st December, 1990 and shall be subject to review on that date and to annual review thereafter unless previously paid.

Reason: To contribute towards the cost of road improvement required to facilitate the development.

SCHEDULE OF CONDITIONS CONTINUED

- 10 All slurry imported onto the site shall be pressed, having a minimum solids content of 10% and shall be transported in sealed containers. Details of type of containers shall be submitted to the Planning Authority for agreement prior to commencement of development.

Reason: In the interest of pollution control.

- 11 All dirty waters from soiled yards including lorry washings shall be discharged to underground soiled water tanks of ten days run-off minimum capacity.

Reason; In the interest of pollution control.

- 12 The lobby between canteen, offices and toilets shall be ventilated to outer air by extending it to the external wall of canteen and providing a window to that wall.

Reason; In the interest of public health.

- 13 The development shall be constructed and operated that no pollution of any watercourse will take place and that there will be no reasonable cause for annoyance by reason of smell either to persons at any premises in the neighbourhood or to persons lawfully using any public place in the neighbourhood.

Reason; In the interest of public health, public nuisance and pollution control.

- 14 Effluent shall not be spread on land before or after heavy rain, or on frozen ground and shall not be spread within 15 metres of any watercourse or within 30 metres of any well or source of potable water supply. Slurry shall be spread at a rate of 2,000 gallons maximum per acre per cut of silage (annual maximum of 4,000 gallons) or 1,500 gallons maximum per annum on land for grazing.

Reason: In the interest of public health and pollution control.

- 15 The slurry shall be spread only in accordance with the usage of the land and the capacity of the land to retain, neutralise and decompose it. The rate of spreading shall be such as to prevent surface run-off, ponding or seepage into covered field drains.

Reason: In the interest of public health and pollution control.

- 16 If at any time the Planning Authority is satisfied that the spreading of slurry on land is causing water or soil pollution, the spreading operation shall cease immediately on the direction of the said Authority and shall not be resumed until permission therefore is granted by the said Authority.

Reason: In the interest of public health and pollution control.

SCHEDULE OF CONDITIONS CONTINUED

- 24 That the requirements of Meath County Council as set out on the attached schedule in relation to fire safety shall be complied with.

Reason: In the interest of fire safety.

- 25 Exits specified in requirement numbers 2 and 3 of Fire Officers report (see condition 24) shall be provided with internal lobbies fitted with self closing doors.

Reason: To retain any smells from the composting and bagging operation within the composting and bagging building.

- 26 A minimum area of 210 hectares (515 acres) shall be available at all times for disposal of slurry from site.

Reason: In the interest of pollution control.

- 27 Prior to the 31st January each year, the operator shall submit the following information to the Planning Authority:-

(a) Details of lands under the operators control, and of other lands in relation to which he has legal binding agreements with the owners for the spreading of slurry, the details to include Ordnance Survey maps to a scale 6 inches to the mile showing the lands in question, together with satisfactory evidence of the existence of legal binding agreements with the other landowners concerned.

(b) Copy of the register of the previous years spreading maintained in accordance with the terms of condition 28 below:

(c) Details of soil nutrients, drainage characteristics and cropping routine of the lands referred to at (a) above lands which have received excessive dressings of slurry shall be indicated.

(d) Proposed spreading rates and times of spread.

Reason: To enable the Planning Authority to exercise control of spreading as envisaged in condition 6 above - and to prevent soil pollution.

- 28 The operator shall maintain on the site, at his expense, a register for each year which shall include:-

(a) The results of soil nutrient and drainage tests on lands used or proposed to be used for spreading.

(b) Ordnance Survey maps to a scale of 6 inches to the mile, showing the location of the said lands and all drains, streams, rivers, watercourses and other sources of water supply on the lands or in their vicinity;

(c) Details of legally binding agreements with regard to spreading with the other landowners concerned and

SCHEDULE OF CONDITIONS CONTINUED

- 28 (d) A record of all spreading carried out, including details of the time and duration of spreading and the location and ownership of the lands on which the slurry was spread.

The register shall be available for inspection by the planning authority at all reasonable times.

Reason: To enable the development to be monitored in the interests of public health and the prevention of pollution.

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

MEATH COUNTY COUNCIL

PLANNING SECTION
COUNTY HALL
NAVAN.
23rd August, 1990.

Organic Gold Manufacturing Ltd.,
c/o Turlough McKeivitt,
50 North Road,
Drogheda,
Co. Louth.

Re: Application Ref. No. P90/0045

Dear Sir,

I wish to refer to the above application and to inform you that the following are the requirements of the Fire Authority, Meath County Council in respect of this application.

- 1 The applicant shall comply with the relevant fire safety aspects of the Proposed Regulations (1983) i.e. Parts A, B, G, N, P, Q and R.
- 2 Provide at least two exits from the compost room which leads direct to the open air. The exits shall be sited remote from each other and shall be located at the extremities of the building so as to obviate dead ends (dead ends mean any floor area or part of a floor area from which escape is possible in one direction only). The width of an exit shall be 760mm. The exit door shall be secured and marked to conform with the Safety in Industry Acts 1955-'81. Door shall open in direction of egress.
- 3 Provide an exit door from bagging shed remote from exit via office. The exit shall be sited to obviate dead ends. The width of exit shall be 760mm. The exit door shall be secured and marked to conform with the Safety in Industry Acts 1955-'81. Door shall open in direction of egress.
- 4 Door from corridor outside canteen to bagging shed shall have fire resistance of 30 minutes and be self closing.
- 5 Corridor outside canteen shall be separated from remainder of building with construction including doors having fire resistance of 30 minutes. Doors shall be self closing. Doors to toilets need not be fire resisting if there is no fire risk in toilets.

Door from corridor outside canteen to office shall be available for use as means of escape from canteen and bagging shed. This door and the door to the open air from the office shall be marked and secured in accordance with the Safety in Industry Acts 1955-'81.

7 If it is proposed to use this premises during the hours of darkness, the parts of the premises to be used by persons working in the premises and the escape routes from these parts to the final exits leading to the open air shall be equipped with an emergency lighting system designed and installed to comply with I.S. 3217: 1989. The escape routes and exits shall also be indicated by direction signs and exit signs illuminated by both normal and emergency lighting.

8 Provide one hydrant for fire fighting purposes.

9 (a) provide 2 general purpose fire extinguishers in the compost shed. This shall have a fire rating of at least 13A.

(b) provide a general purpose fire extinguisher in the bagging shed. This shall have a fire rating of at least 13A.

(c) provide a 3kg. dry powder type (55B rating) fire extinguisher in the kitchen. A fire blanket shall also be installed in the kitchen.

(d) provide a Carbon Dioxide type fire extinguisher (21B rating) at the electrical power distribution and intake board.

(e) provide a multipurpose type fire extinguisher in the office with a minimum rating of 13A.

(f) fire extinguishers shall comply with the requirements of either I.S. 290: 1986 or B.S. 5423: 1987. They shall be installed in accordance with the recommendations of B.S. 5306: Part 3; 1985.

(g) Fire extinguishers shall comply with the requirements of either I.S. 290: 1986 or B.S. 5423: 1987. They shall be installed in accordance with the recommendations of B.S. 5306: Part 3: 1985.

10 The wall between the Bagging Shed and the compost shed shall have at least two hours fire resistance.

Yours faithfully,

p.p. M. Rogers.
M. Rogers
Staff Officer

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

WASTE MANAGEMENT ACT 1996

WASTE MANAGEMENT (PERMIT) REGULATIONS 1998

Meath County Council

Ref. No. in Register WMP 2002/26

To: **Organic Gold Marketing Ltd.**
Wilkinstown
Navan
Co. Meath

Meath County Council in exercise of the powers conferred on it by the Waste Management (Permit) Regulations 1998 hereby grants a Waste Management Permit for permitted waste activity in accordance with the First Schedule of the Waste Management (Permit) Management Regulations, 1998.

Activity 5: The recovery of waste (other than hazardous waste) at a facility (other than a facility for the composting of waste where the amount of compost and waste held at the facility exceeds 1000 cubic metres at any time).

And in accordance with the Fourth Schedule of the Waste Management Act, 1996:

Class 2: Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

Class 4: Recycling or reclamation of other inorganic materials.

Class 13: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this schedule, other than the temporary storage, pending collection, on the premises where such waste is produced.

To: **Organic Gold Marketing Ltd.**

Location of proposed development: **Wilkinstown, Navan, Co. Meath.**

Subject to 7 conditions as set out on the schedule attached hereto.

Dated this 19 / 11 / 2002.

SIGNED:


MEATH COUNTY MANAGER

Environment Order No. **193 /2002.**

WASTE PERMIT

Waste Permit Register Number: WMP 2002/26
Applicant: Organic Gold Marketing Ltd.
Location of Facility: Wilkinstown,
Navan,
Co. Meath.

In pursuance of the powers conferred on it by the Waste Management Act, 1996 and the Waste Management (Permit) Regulations, 1998, Meath County Council grants this waste permit under Article 5(1) of the Regulations to Organic Gold Marketing Ltd, to carry on at Wilkinstown, Navan, Co. Meath the waste activity listed below, subject to seven conditions.

Permitted Waste Recovery Activity, in accordance with the First Schedule
of the Waste Management (Permit) Regulations, 1998:

Activity 5: The Recovery of waste (other than hazardous waste) at a facility (other than a facility for the composting of waste where the amount of compost and waste held at the facility exceeds 1000 cubic metres at any time).

Permitted Waste Activity, in accordance with the Fourth Schedule
of the Waste Management Act, 1996:

Class 2: Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

Class 4: Recycling or reclamation of other inorganic materials.

Class 13: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this schedule, other than the temporary storage, pending collection, on the premises where such waste is produced.

NOTE:

THE GRANTING OF THIS PERMIT, AND ANY CONDITION IMPOSED BY IT, DOES NOT EXEMPT THE HOLDER OF THE PERMIT FROM COMPLYING WITH THE STATUTORY OBLIGATIONS OF ANY RELEVANT LEGISLATION, INCLUDING WATER POLLUTION, AIR POLLUTION, WASTE, LITTER AND PLANNING LEGISLATION.

1. Scope of Permit:

- 1.1 No waste activities shall commence on site unless and until the landowner has applied for and obtained a valid planning permission for use of the site for the proposed activities, if required.
- 1.2 This waste permit is issued under the Waste Management (Permit) Regulations, 1998 to Organic Gold Marketing Ltd. in respect of a facility at Wilkinstown, Navan, Co. Meath only.
- 1.3 This waste permit is granted for a period not exceeding 36 months from the date of commencement of waste activities on the site.
- 1.4 Within one month of issue of this permit, the permit holder shall submit details for the written agreement of the Council for a sealed drainage system for the concrete storage area. The drainage system shall be constructed within two months of the date of agreement by the Council.
- 1.5 The permit holder shall clean out the existing drains and upgrade where necessary to incorporate into the approved drainage system.
- 1.6 The permit holder shall maintain a buffer zone of minimum 2m width between the windrows and the earth bunds.
- 1.7 The waste activities shall be confined to the area outlined in the site plan submitted with the permit application received 1st August 2002, and shall take place only as specified in the application, as modified and/or controlled by the terms of this permit.
- 1.8 Where Meath County Council considers that a non-compliance with the conditions of this permit has occurred, it may serve a notice on the permit holder specifying:
 - (a) that only those wastes as specified, if any, in the notice are to be accepted at the facility after the date specified in the notice; and,
 - (b) that the permit holder shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within any time-scale contained in the notice.

When the notice has been complied with, the permit holder shall provide written confirmation to the local authority that the requirements of the notice have been carried out. No waste, other than that, which is stipulated in the notice, shall be accepted at the facility until written confirmation is received from the Council that the notice is withdrawn.

2. Management of the activity:

- 2.1 A copy of the permit shall be kept on site at all times.

2.2 Waste shall only be accepted at the site between the hours of 8am and 6pm Monday to Saturday (excluding Bank and National Holidays). No waste shall be accepted on Sundays.

2.3 The site shall be adequately manned and supervised at all times. It shall be maintained to the satisfaction of Meath County Council, and adequate precautions shall be taken to prevent unauthorised access to the site.

3. Notification and record keeping:

3.1 The permit holder shall maintain a register of the following records on the site:

- The quantities and types of waste received at the site.
- The quantities and type of waste not accepted at the site, and details of where these wastes were sent.
- The dates and times of all waste deliveries to the site.
- The names of the carriers and the vehicle registration numbers.
- The origin of each delivery of waste.

3.2 The permit holder shall immediately notify Meath County Council by telephone/fax of any incident which occurs as a result of the activity on the site, and which:

- has the potential for environmental contamination of surface water or ground water, or
- poses an environmental threat to air or land, or
- requires an emergency response by the Council.

Full details shall be forwarded in writing on the next working day.

The permit holder shall include as part of the notification:

- the date and time of the incident,
- details of the incident and circumstances giving rise to it.
- an evaluation of environmental pollution caused, if any,
- actions taken to minimise the effect on the environment,
- steps taken to avoid reoccurrence,
- any other remedial action taken.

The permit holder shall make a record of any such incident in a register to be maintained on the site.

3.3 All communications with Meath County Council shall be addressed to the County Secretary.

Address:

County Hall,
Railway Street,
Navan,
Co. Meath.

Telephone Number (normal working hours): 046 - 21581

Fax Number: 046 - 21463

e-mail

info@meathcoco.ie

- 3.4 The permit holder shall make all records maintained on the site available to Meath County Council staff at all reasonable times, and shall provide any relevant information when so requested by an authorised person of Meath County Council.
- 3.5 The permit holder shall notify Meath County Council, in writing, within 7 days of:
- The imposition of any requirement on the permit holder by order under Section 57 or 58 of the Waste Management Act 1996, or
 - Any conviction of the permit holder for an offence under the Waste Management Act, 1996.
- 3.6 The permit holder shall submit to Meath County Council, an Annual Environmental Report (AER) for the preceding calendar year by no later than February 28th of each year. The first AER shall be submitted by 28th February 2004 in respect of the period from date of issue of the permit to 31st December 2003, and annually thereafter. The AER shall include details of:
- (a) the management and staffing structure of the facility;
 - (b) details of any impositions or convictions imposed as outlined above;
 - (c) quantity and type of all wastes accepted and disposed of at the facility during the year;
 - (d) details of any loads rejected at the facility during the year;
 - (e) reportable incidents.

In addition, the permit holder shall include in the report, a written summary of compliance with all of the conditions attached to this permit,

- 3.7 Within one month of waste activities ceasing on the site, the permit holder shall submit a report to Meath County Council which shall include the information contained in the registers described above, and details of any impositions or convictions imposed under the Waste Management Act, 1996. In addition, the permit holder shall include in the report a written summary of compliance with all of the conditions attached to the permit

4. Waste acceptance and handling:

- 4.1 The following wastes may be accepted at the facility:

- activated sludge,
- spent grain,
- biodegradable kitchen and canteen waste,
- woodchips and sawdust,
- green waste,
- mushroom compost,
- cocoa shell,
- cardboard and paper.

No other waste types are to be deposited at the facility, unless otherwise agreed in writing with Meath County Council. The permit holder shall ensure that adequate steps are taken to prevent acceptance of any other waste types.

- 4.2 Before waste activities commence on site, the following details shall be submitted to, and agreed in writing with, Meath County Council:
- (a) Specify the waste types to be accepted by reference to the European Waste Catalogue and Hazardous Waste List published by the Environmental Protection Agency (edition valid from 1st January 2002).
 - (b) The name and address of the producer of the materials to be deposited at the site.
 - (c) The origin of the materials to be deposited at the site.
 - (d) The name and address of the Contractor(s) engaged to transport the materials to the site, including confirmation that the contractor is operating in compliance with the Waste Management (Collection Permit) Regulations, 2001 (SI no. 402 of 2001).
- 4.3 A minimum notice of five (5) working days shall be given in writing to Meath County Council of the commencement of waste activities at the site.
- 4.4 All waste arriving at the facility shall be subject to a visual inspection by the permit holder, or his staff, employees, lessees or agents. Materials other than those permitted shall be removed immediately from the site. Such waste shall be disposed of (or recovered) at an alternative facility with an appropriate waste permit or waste licence. Following delivery of such unauthorised waste to the site, Meath County Council shall be immediately notified by telephone/fax, and full details shall be forwarded in writing on the next working day.
- 4.5 The permit holder shall remove immediately any waste placed on or in the vicinity of the site other than in accordance with the requirements of the permit. If such waste is discovered it shall be taken to a facility with a waste licence or waste permit authorising acceptance of such waste.
- 4.6 Access to the site shall be limited to one (1) truck per hour, which equates to two (2) truck movements per hour.
- 4.7 The permit holder shall not allow any over-spill of waste outside the site perimeter, as outlined on the site plan submitted with the permit application.
5. **Nuisances, emissions and environmental impacts:**
- 5.1 The permit holder shall take adequate precautions to prevent undue noise, fumes, dust, grit, untidiness and other nuisances during the course of the works which would result in a significant impairment of, or a significant interference with, amenities or the environment beyond the site boundary. If unacceptable levels occur, the permit holder shall abide by the Council's abatement requirements, which may include immediate cessation of operations.
- 5.2 The permit holder shall ensure that the waste activities on the site shall be carried out in such a manner so as not to have an adverse effect on the drainage of adjacent lands, on watercourses, on field drains or on any other drainage system.

- 5.3 If in the opinion of the Area Engineer, or his representative, or officials from the Environment Section of Meath County Council, the permit holder is not complying with the conditions of the permit, they shall be empowered to verbally instruct the permit holder to cease accepting waste at the site from the end of the day on which instruction issues. The permit holder shall close the site and lock the gates. Activities shall not re-commence until Meath County Council gives authorisation to re-commence.
- 5.4 If in the opinion of the Area Engineer undue damage is being caused to the haul roads to the site as a result of the use of heavy goods vehicles (HGVs), he shall be empowered to verbally instruct the hauliers to cease using these haul roads and use an alternative route.
- 5.5 The permit holder shall take adequate steps to ensure that that no material of any sort can fall or be blown from vehicles delivering waste to the site.
- 5.6 The permit holder shall take adequate steps to ensure that vehicles exiting from the site do not deposit material of any sort onto the roadway or adjoining lands.
- 5.7 The permit holder shall spray current working areas and site access roads with clean water during periods of dry weather if dust is being generated to such an extent as to reasonably present a risk of nuisance to neighbouring properties.
- 5.8 The permit holder shall remove all litter from the site and its environs immediately.
- 5.10 The permit holder shall remain responsible in perpetuity for the maintenance and upkeep of all drains and watercourses within and surrounding the permitted area.

6. Environmental monitoring:

- 6.1 Authorised staff of Meath County Council shall have unrestricted access to the site at all reasonable times for the purpose of their functions under the Waste Management Act, 1996, including such inspections, monitoring and investigations as are deemed necessary by the Council.
- 6.2 If so requested by Meath County Council, the permit holder shall, at his own expense, carry out such further investigations and monitoring of the facility as required by the Council. The scope, detail and programme, including report structure and reporting schedule, for any such investigations and monitoring shall be in accordance with any written instructions issued by the Council.

7. Charges and financial provisions:

- 7.1 The permit holder shall pay an annual contribution of €1,260 to Meath County Council, or such sum as the Council from time to time determines, towards the costs incurred by the Council of monitoring the activity, to the extent that it considers necessary for the performance of its duties under the Waste Management Act, 1996. The Permit holder shall in 2003 and subsequent years, not later than 31st January of each year, pay to the Council this amount updated annually in accordance with Table 5 of the All Items Index (base at November 1975 = 100) published by the Central Statistics Office. The Council shall notify the updated amount to the Permit holder. For 2002, the permit holder shall pay a *pro rata* amount from the date of the permit to 31st December, 2002. This amount shall be paid to the Council within one month of the date of grant of this permit.
- 7.2 In the event that the frequency or extent of monitoring or other functions carried out by the Council need to be increased for whatever reason, the permit holder shall contribute such sums as are determined by the Council to defray its costs.
- 7.3 Prior to the commencement of waste activities on site, the permit holder shall lodge with Meath County Council a cash deposit of €3,000 or an equivalent bond or other approved financial provision, as a security for the satisfactory compliance by the permit holder with the terms and conditions attached to this permit, and in addition to provide security for damage to roads. This amount may be paid in instalments, subject to the agreement of the Council. In the event of non-compliance by the permit holder with any terms or conditions attached to this permit, Meath County Council shall be empowered to apply the said funds or part thereof for the satisfactory compliance with the terms and conditions attached to this permit, including road repairs as necessary. Any amount not so used by the Council will be released to the permit holder, when all activities on site have ceased and the permit holder has fully complied with the terms and conditions attached to the permit, to the satisfaction of Meath County Council.

RPS. MCOS.

WASTE PERMIT

ISSUED UNDER

THE WASTE MANAGEMENT ACT, 1996

THE WASTE MANAGEMENT (PERMIT) REGULATIONS, 1998

For inspection purposes only.
Consent of copyright owner required for any other use.
A&B

Waste Permit Register Number:

WMP 2000/17

Location of Facility:

Organic Gold Marketing Ltd.

Wilkinstown.

Navan.

Co. Meath.

WASTE PERMIT

ISSUED UNDER

THE WASTE MANAGEMENT ACT, 1996

AND

THE WASTE MANAGEMENT (PERMIT) REGULATIONS, 1998

Waste Permit Register Number:

WMP 2000/17

Organic Gold Marketing Ltd.

Location of Facility:

Wilkestown,

Navan,

Co. Meath.

To: Organic Gold Ltd.

Located at: Wilkestown, Navan, Co. Meath.

Subject to 7 conditions as set out on the schedule attached hereto.

Dated this 26th day of Sept, 2000.

SIGNED:


MEATH COUNTY MANAGER

Environment Order No. 172/2000.

WASTE MANAGEMENT ACT 1996

WASTE MANAGEMENT (PERMIT) REGULATIONS 1998.

Meath County Council

Ref. No. in Register WMP 2000/17

To: **Organic Gold Ltd.**
Wilkinstown
Navan
Co. Meath

The Meath County Council in exercise of the powers conferred on it by the Waste Management (Permit) Regulations 1998 hereby grants a Waste Management Permit for permitted waste activity in accordance with the Third Schedule of the Waste Management Act 1996.

- Class 1 Deposit on, in or under land including landfill.
- Class 2 Land treatment including biodegradation of liquid or sludge discards in soil.
- Class 4 Surface impoundment including placement of liquid or sludge into pits, ponds or lagoons.

and in accordance with the Fourth Schedule of the Waste Management Act 1996.

- Class 2 Recycling or reclamation of organic substances, which are not used as solvents including composting and other biological transformation processes.
- Class 10 The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.

To: **Organic Gold Ltd.**

Located at: **Wilkinstown, Navan, Co. Meath.**

Subject to 7 conditions as set out on the schedule attached hereto.

Dated this 16th day of Sept, 2000.

SIGNED:


MEATH COUNTY MANAGER

Environment Order No. 172/2000.

Contents:

	Page No
ACTIVITIES PERMITTED.	3
CONDITION 1 SCOPE.	4
CONDITION 2 MANAGEMENT OF THE ACTIVITY.	6
CONDITION 3 NOTIFICATION AND RECORD KEEPING.	7
CONDITION 4 WASTE ACCEPTANCE AND HANDLING.	9
CONDITION 5 NUISANCES, EMISSIONS AND ENVIRONMENTAL IMPACTS.	10
CONDITION 6 ENVIRONMENTAL MONITORING.	11
CONDITION 7 CHARGES AND FINANCIAL PROVISIONS.	12

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

Activities Permitted

In pursuance of the powers conferred on it by the Waste Management Act, 1996 and the Waste Management (Permit) Regulations, 1998, Meath County Council grants this waste permit under Article 5(1) of the said Regulations to Organic Gold Marketing Limited, to carry on, at Wilkinstown, Navan, County Meath, the waste activities listed below, subject to seven conditions, with the reasons therefor set out in the permit.

Permitted Waste Activity, in accordance with Part 1 of the First Schedule of the Waste Management (Permit) Regulations, 1998:

- Activity 5 The recovery of waste (other than hazardous waste) at a facility (other than a facility for the composting of waste where the amount of compost and waste held at the facility exceeds 1000 cubic metres at any time).

Permitted Waste Activity, in accordance with the Third Schedule of the Waste Management Act, 1996:

- Class 1 Deposit on, in or under land including landfill.
Class 2 Land treatment including biodegradation of liquid or sludge discards in soil.
Class 4 Surface impoundment including placement of liquid or sludge into pits, ponds or lagoons.

Permitted Waste Activities, in accordance with the Fourth Schedule of the Waste Management Act, 1996:

- Class 2 Recycling or reclamation of organic substances, which are not used as solvents including composting and other biological transformation, processes.
Class 10 The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system. (Principal activity)

NOTE:

THE GRANTING OF THIS PERMIT, AND ANY CONDITION IMPOSED BY IT, DOES NOT EXEMPT THE HOLDER OF THE PERMIT FROM COMPLYING WITH THE STATUTORY OBLIGATIONS OF ANY RELEVANT LEGISLATION, INCLUDING WATER POLLUTION, AIR POLLUTION, WASTE, LITTER AND PLANNING LEGISLATION.

CONDITION 1: SCOPE

- 1.1 This waste permit is issued under the Waste Management (Permit) Regulations, 1998 to Organic Gold Marketing Limited, Wilkinstown, Navan, Co. Meath. This permit is strictly non-transferable.
- 1.2 The development shall be carried out in accordance with the particulars and drawings submitted with the application on May 22nd 2000.
- 1.3 This waste permit is granted for a period not exceeding three (3) years from the date of issue.
- 1.4 Should environmental pollution occur at the site, Meath County Council shall review this permit.
- 1.5 The waste activities shall be confined to the area outlined in the site plan submitted with the permit application on May 22nd 2000, and shall take place only as specified in the application, as modified and/or controlled by the terms of this permit.
- 1.6 The permit holder shall give notice in writing to Meath County Council of any significant changes in the information furnished in the application for the permit. Such notice shall be given within three weeks of any such change arising. On receipt of this information, Meath County Council may require a new waste permit application to be submitted.
- 1.7 The permit holder shall be responsible for ensuring that the waste activities shall be controlled, operated and maintained in strict accordance with the terms of the application as modified and/or controlled by the conditions attached to this permit. The permit holder shall establish procedures to ensure that corrective action is taken should any condition of this permit not be complied with. Meath County Council shall be immediately notified of any such breach by telephone/fax, and full details shall be forwarded in writing on the next working day.
- 1.8 Where Meath County Council considers that a non-compliance with the conditions of this permit has occurred, it may serve a notice on the permit holder specifying:
 - (a) that only those wastes as specified, if any, in the notice are to be accepted at the facility after the date specified in the notice; and,
 - (b) that the permit holder shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within any time-scale contained in the notice.

When the notice has been complied with, the permit holder shall provide written confirmation to the local authority that the requirements of the notice have been carried out. No waste, other than that, which is stipulated in the notice, shall be accepted at the facility until written confirmation is received from the Council that the notice is withdrawn.

1.9 The permit holder shall comply at all times with the provisions of the Community Acts detailed in the table below, insofar as such provisions are relevant to the waste activity to be carried out:

Relevant Provisions	Community Act
Article 9 and 14	Council Directive 75/442/EEC of 15 July 1995 on waste, as amended by Council Directive 91/156/EEC of 18 March, 1991
Articles 4, 5, 8, 9, 10 and 18	Council Directive 80/68/EEC of 17 December, 1979 on the protection of groundwater against pollution caused by certain dangerous substances.

REASON: To clarify the scope of this waste permit.

For inspection purposes only. No other use.
Consent of copyright owner required for other use.

CONDITION 2: MANAGEMENT OF THE ACTIVITY

- 2.1 The permit holder shall acquaint all staff, employees, lessees and agents, including replacement personnel, of the provisions and conditions of this permit.
- 2.2 A copy of the permit shall be kept on site at all times.
- 2.3 The permit holder shall erect a notice on site indicating that the facility has a waste permit from Meath County Council within one month of the date of issue of this permit. The site notice shall clearly show:
- the name and telephone number of the facility;
 - that the facility has a waste permit from Meath County Council, waste permit number, date granted on;
 - the name address and telephone number of the permit holder.
- 2.4 The site shall be adequately manned and supervised at all times while in operation. It shall be maintained to the satisfaction of Meath County Council, and adequate precautions shall be taken to prevent unauthorised access to the site.
- 2.5 A suitably qualified and experienced facility manager shall be designated as the person in charge of the facility. The facility manager or a suitably qualified and experienced deputy shall be present during the operation of the facility. The permit holder shall ensure that the facility manager or the deputy shall be available on site to meet with authorised persons of Meath County Council at all reasonable times. The name, address and telephone number of the facility manager and the designated deputy manager shall be supplied to Meath County Council within one month of the date of issue of this permit.
- 2.6 The permit holder shall establish procedures to ensure that corrective action is taken should any condition of this permit not be complied with. In such instances, Meath County Council shall be immediately notified by telephone/fax, and full details shall be forwarded in writing on the next working day.

REASON: To make provision for the proper management of the activity.

CONDITION 3: NOTIFICATION AND RECORD KEEPING

3.1 All communications with Meath County Council shall be addressed to the County Secretary:

Address: County Hall,
Railway Street,
Navan,
Co. Meath.

Telephone Number: 046 - 21581

Fax Number: 046 - 21463

3.2 The permit holder shall maintain a register of the following records on the site:

- The quantities and composition of wastes received at the site.
- The quantities and composition of wastes not accepted at the site, and details of where these wastes were diverted to.
- The dates and times of all waste deliveries to the site.
- The names of the carriers and the vehicle registration numbers.
- The origin of each delivery of waste.

3.3 The permit holder shall immediately notify the Senior Engineer, Environment Section, Meath County Council by telephone/fax of any incident which occurs as a result of the activity on the site, and which:

- has the potential for environmental contamination of surface water or ground water, or
- poses an environmental threat to air or land, or
- requires an emergency response by the Council.

Full details shall be forwarded in writing on the next working day.

The permit holder shall include as part of the notification:

- the date and time of the incident,
- details of the incident and circumstances giving rise to it,
- an evaluation of environmental pollution caused, if any,
- actions taken to minimise the effect on the environment,
- steps taken to avoid reoccurrence,
- any other remedial action taken.

The permit holder shall make a record of any such incident in a register to be maintained on the site.

3.4 The permit holder shall maintain on the site a register of all complaints received relating to the operation of the activity. Each such record should give details of the following:

- Time and date of the complaint.
- The name of the complainant.
- Details of the nature of the complaint.
- Actions taken to deal with the complaint, and the results of such actions.
- The response made to each complainant.

Meath County Council shall be immediately notified by telephone/fax after the receipt of the complaint, and full details shall be forwarded in writing on the next working day. The permit holder shall make a record of any such complaint in a register to be maintained on the site.

- 3.5 The permit holder shall make all records maintained on the site available to Meath County Council staff at all reasonable times, and shall provide any relevant information when so requested by an authorised person of Meath County Council.
- 3.6 The permit holder shall notify Meath County Council, in writing, within 7 days of:
- The imposition of any requirement on the permit holder by order under Section 57 or 58 of the Waste Management Act 1996, or
 - Any conviction of the permit holder for any offence prescribed under the Waste Management Act, 1996.
- 3.7 The permit holder shall at fortnightly intervals, inspect the facility and its immediate surrounds for nuisances caused by vermin and litter. Written records of these inspections shall be made and any actions taken as a result of these inspections.
- 3.8 Before February 28th of each calendar year, the Permit Holder shall submit to the Environment Section of Meath County Council, an Annual Environmental Report (AER) for the preceding calendar year. The AER will include details of:
- (a) the management & staffing structure of the site;
 - (b) details of any impositions or convictions as outlined in the permit conditions, herein;
 - (c) quantity, type and composition of all wastes accepted at the site during the year;
 - (d) details of any loads rejected at the site during the year;
 - (e) reportable incidents;
 - (f) details of all complaints;
 - (g) In addition, the permit holder shall include in the report a written summary of compliance with all the conditions attached to the permit.

REASON: To provide for the notification of incidents, to update information on the activity and to provide for the keeping of proper records.

CONDITION 4: WASTE ACCEPTANCE AND HANDLING

- 4.1 All waste arriving at the facility shall be subjected to a visual inspection. Materials other than those permitted shall be removed immediately from the site. Such waste shall be disposed of (or recovered) at an alternative facility with an appropriate waste permit or waste licence. Following delivery of such unauthorised waste to the site, Meath County Council shall be immediately notified by telephone/fax, and full details shall be forwarded in writing on the next working day.
- 4.2 Prior to February 28th each year, the permit holder shall submit to Meath County Council, for its approval, maps indicating the location of all lands to be used for land spreading the dewatered residual material. These maps shall also indicate the available acreage and the land owners name and address. In addition, the permit holder shall submit a letter of consent from each landowner indicating their consent to allow the residual material to be spread on their lands.
- 4.3 The permit holder shall ensure that adequate steps are taken to prevent unauthorised entry of wastes to the site.
- 4.4 Any waste placed on or in the vicinity of the site other than in accordance with the requirements of the permit shall be removed by the permit holder immediately such waste is discovered and taken to a facility with a waste licence or waste permit authorising acceptance of such waste.
- 4.5 The permit holder shall not allow any over-spill of waste outside the site perimeter, as outlined on the site plan submitted with the permit application.

REASON: To provide for the acceptance and management of wastes authorised under this waste permit.

CONDITION 5: NUISANCES, EMISSIONS AND ENVIRONMENTAL IMPACTS

- 5.1 The permit holder shall ensure that the waste activities on the site shall be carried out in such a manner so as not to have an adverse effect on the drainage of adjacent lands, on watercourses, on field drains or on any other drainage system.
- 5.2 The permit holder shall take adequate precautions to prevent undue noise, fumes, dust, grit, untidiness and other nuisances during the course of the works which would result in a significant impairment of or a significant interference with amenities or the environment beyond the site boundary. If unacceptable levels occur, the permit holder shall abide by the County Council's abatement requirements, which may include immediate cessation of operations.
- 5.3 The permit holder shall take adequate steps to ensure that that no material of any sort can fall or be blown from vehicles delivering waste to the site.
- 5.4 No waste shall be burned on the site.
- 5.5 The permit holder shall inspect the site perimeter fortnightly for the presence of litter and shall remove all litter from the site and its environs immediately.

REASON: To provide for the control of nuisances and emissions from the facility, and to provide for the protection of the environment.

CONDITION 6: ENVIRONMENTAL MONITORING

- 6.1 Authorised staff of Meath County Council shall have unrestricted access to the site at all reasonable times, on production of identification, for the purpose of their functions under the Waste Management Act, 1996, including such inspections, monitoring and investigations as are deemed necessary by the Council.
- 6.2 If so requested by Meath County Council, the permit holder shall, at his own expense, carry out such further investigations and monitoring of the facility as required by the County Council. The scope, detail and programme, including report structure and reporting schedule, for any such investigations and monitoring shall be in accordance with any written instructions issued by the County Council. In the event of pollution of waters in the vicinity of the site, or of leachate discharge onto adjoining lands, input of waste onto the site shall cease, and remedial measures shall be carried out immediately as directed by the County Council.

REASON: To ensure compliance with the requirements of the conditions of this waste permit.

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

CONDITION 7: CHARGES AND FINANCIAL PROVISIONS

7.1 The permit holder shall pay to Meath County Council a contribution of £500 (Euro 634.87) per annum, or such sum as Meath County Council from time to time determines, towards the costs incurred by Meath County Council of monitoring the activity, to the extent that it considers necessary for the performance of its duties under the Waste Management Act, 1996. This payment which shall be on a pro-rata basis for 2000 shall be paid within two weeks of the date of issue of this permit. In subsequent years, this amount shall be paid on or before January 28th. This payment is non-refundable.

REASON: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.

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

B.4 Sanitary Authority

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

Name: Not Applicable

Address:

Tel:

Fax:

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

B.5 Other Authorities

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

Within SFADCo. Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
----------------------------	-------------------------------------	---

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

Name: North Eastern Heath Board

Address: Kells

Co. Meath

Tel: (046) 9280500

Fax: (046) 9241459

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

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 a drawing 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.

Attachment B.6

A copy of the site notice and newspaper advertisement is included in attachment B.6 The location of the site notice at the facility can be seen on the **Site Layout Drawing MDE0202DG0002A04** in Appendix A

Organic Gold (Marketing) Ltd



SITE NOTICE

Application to the Environmental Protection Agency for a Waste Licence

Notice is hereby given in accordance with Articles 5 and 6 of the Waste Management (Licensing) Regulations 2004 (S.I. No. 395 of 2004) that Organic Gold (Marketing) Ltd of Wilkinstown, Navan, Co. Meath are applying to the Environmental Protection Agency for a Waste Licence within two weeks of this date in respect of upgrading their existing Composting Facility located in the townland of Wilkinstown, Co. Meath - National Grid Reference as follows: 284, 687E, 277,219N.

Organic Gold (Marketing) Ltd propose to upgrade their existing facility which currently operates under a Waste Permit from Meath County Council and increase the annual intake to 25,000 tonnes per annum for non-hazardous organic waste.

The Classes of Waste Disposal and Recovery Activities applied for as per the Third and Fourth Schedules of the Waste Management Acts, 1996 to 2003 are as follows:

Third Schedule

Class 11 - Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Class 12 - Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Class 13 - Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Fourth Schedule

Class 2 - Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).

Class 4 - Recycling or reclamation of other inorganic materials.

Class 10 - The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.

Class 11 - Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.

Class 12 - Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.

Class 13 - Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

The **Principle Activity** at the site is Class 2 of the Fourth Schedule as detailed above.

The application is accompanied by an Environmental Impact Statement (E.I.S.).

The Waste Licence Application and EIS will be submitted to the Agency within two weeks of the publication of this notice. A copy of the Waste Licence Application and EIS and 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 and purchase, at the Headquarters of the **Environmental Protection Agency, Johnstown Castle Estate, Wexford.**

Date: March 21st 2005

CLASSIFIEDS

TO CONTACT OUR ADVERTISING STAFF
TEL 046-9079600
Email: Info@meath-chronicle.ie

PERSONAL 6

DISCOVER YOUR FUTURE now. Call Irish Psychics live on 1580 125605.
HEALER FOR all types of illness Phone 086-8605153.

UNATTACHED: Celtic Singles can help you meet your ideal match. Confidential, friendly service. Free details: (046) 9024251. www.celticsingles.info

UNATTACHED? Transform your social life. For FREE copy of Irish Singles Directory, Tel: 071-9822930. IrishSingles.com

CLASSES AND COURSES 7

TARA TRAINING

APRIL 2005
COMPUTER COURSES Day and Evening Classes

- E.C.D.L. (8 weeks) 18th April
- SAGE ACCOUNTS (8 weeks) 19th April
- SAGE QUICKPAY (1 day) 20th May
- FAS CDP APPROVED
- 80% GRANT TO ELIGIBLE EMPLOYEES & SELF EMPLOYED

TARA TRAINING, Enterprise Centre, Riverbank, Trim.
Tel. 046-9431774; mobile 087-2584666
Email: tara@tara.com
E.C.D.L. ACCREDITED

THE MONTESSORI STORY
UNIQUE MONTESSORI CENTRE & PLAY SCHOOL
NAVAN and KELLS
2 - 6 years - Children do not need to be toilet trained - Full and part-time places - NCNA member / NIEIB registered
Also **RUNNING ART CLASSES**
Contact: NAVAN: 11 Balreask Manor, Trim Road, Tel: 046-9073625
KELLS: 24 Balrath Wood, Mullingar Road, Tel: 046-9293572
Mobile: 087-6162531

HEAVEN & EARTH HOLISTIC SHOP
FIRST REIKI WORKSHOP
6th/13th/19th April - evenings or Sat. 7th/Sunday 8th May
INDIAN HEAD MASSAGE
Sat. 16th/Sunday 17th or Sunday 17th/Mon., 18th April
Contact: Majella
046 9060600

FITKID
CHILDREN'S EXERCISE PROGRAM
Qualified instructor. Great fun. Saturdays 11.15 am, ages 4 - 7
Bodytrim, Navan (046) 9028189

ART CLASSES for children aged 9 upwards, fully qualified teacher, 8-week course, new course starts beginning April, Athlumney - Navan area. Phone 087-9107956.

BEGINNERS STEP AEROBICS
Tuesdays & Thursdays 8.30 pm at Bodytrim, Navan
Non-members welcome. Cost: €7
(046) 9028188

Craniosacral Therapist
BUPA Ireland Reflexologist
Anne Ramozar
Dip. R.C.S.T. Dip. M.I.R.L.
Craniosacral Therapy is a gentle hands on method of evaluating and enhancing the body function. It is far reaching effects include Craniosacral Therapy to be beneficial for a wide range of health problems.
Member of the Craniosacral Therapy Association of the United Kingdom, Member of the Irish Reflexology Institute.
For more information phone
086 - 8796667

Self Defence
6 Week Self Defence Course starting soon.
For further information
Ring **087 2258333**

COUSSELLING & PSYCHOTHERAPY
MBA (C) and Dip. Psych.
Diane O'Connell
Professional, Accredited, Full-time Counsellor, Navan
Tel: 046-9024002
Mobile: 086-8163376

Party Ideas
Hip-hop or Fitkid at Bodytrim, Navan
Tel. (046) 9022825

NAVAN CHIROPRACTIC CLINIC
SPECIALISING IN BACK, NECK, LIMB PAIN
046-9071066
Dr. Brett Stevens, DC
Dr. Mark Faulkner
Dr. Shane Fonseca
Marion Finucane-Kinesiologist
Opening hours:
Monday, Friday, Sat. 10 - 1
Tuesday & Thursday 11 - 1.30
Evenings Mon, Wed, Thurs 4 - 7
NAVAN CHIROPRACTIC CLINIC
Unit 1, Church Hill, Navan
(046) 9071066 at all times

THAI-BO
A fitness class with a kick.
Bodytrim, Navan
Mon. 7.15 pm, Wed 8.15 pm
Tel. (046) 9028188

NURSING AID training course, a comprehensive course covering all aspects of care both in theory and in practice will commence on 18th April. This course is suitable for anyone wishing to pursue a career in healthcare. Please contact Impact Training Consultants for information and application form. Telephone 044-40664.

MATHS MAGIC presents this year's Easter revision course for Leaving and Junior Cert. examinations. Contact Robert for more info. 086-3819832.

REVISION COURSES, Tuition / Grinds in main LC and JC subjects. Maths, sciences, business subjects and languages catered for. Very experienced teachers. Excellent results achieved for many years. Initial interview and assessment without charge or obligation. Navan and Kells

Photographer Available
For all types of work
Weddings, Portraits, Sports, Commercial, Property
See details please phone

PERSONAL SERVICES 8

CHIROPYD CLINIC, New Abbey Medical Centre, Abbey Road, Navan. For appointment with Mary Yeates, Katherine Potterton, Ann-Marie McGuinness, Kay Hatton. Phone 046-9021143, 046-9051500.

SPECIAL NEEDS HOME TUITION

Developmental Psychologists Available in response to Dept. of Education Home Tuition Programme. Please call Mrs. A. Gibbons BSc. (Hons), Psych. 084-3840969
allison@ayvia.com
GRANTS AVAILABLE

Frank McGivney & Co.
VAT, PAYE, INCOME TAX, C2, RCTDC
SPECIALISING IN SMALL BUSINESSES
CONTACT:
046-9293391/087-5241894

LOST AND FOUND 9

LOST, REWARD sunglasses (long distance), Blackcastle Area. Tel: 087-8572317.

MISSING since February 28th, 2 year old Silmenthal heifer, Coolronan, Delvin area. Contact 087-9290720 or (044) 74272.

CAT LOST - Children's pet gone missing, jet black coat with white tummy and four white socks, very friendly and answers to "Lucy". Tel. Susan on 087-9538747.

SPECIAL NOTICES 11

ROOF WORKS

AT ST. MICHAEL'S LORETO SECONDARY SCHOOL, NAVAN, CO. MEATH

Applications are invited from suitably qualified Roofing Contractors who wish to be included on the approved tender list from which tenders will be invited for the above project. The work will consist of selective re-roofing and repair of up to 500 sq. metres of existing slated pitched roofs with associated lead work and builder's work. The contract period will be over the months of May/June/July 2005. The closing date for receipt of completed applications is 12 noon on Tuesday, 5th April, 2005. Completed applications should be returned to The Secretary, Board of Management, St. Michael's, Loreto Secondary School, Navan, Co. Meath.

COMHAIRLE BAILE DHÚN DEALGAN

DUNDALK TOWN COUNCIL

Dundalk Town Council invites suitably qualified & experienced contractors, who may be interested in carrying out housing refurbishment projects, estate improvement works or minor civil works projects in Dundalk Town on behalf of the Council, to make application to the Council to have their firm included on a tender invitation shortlist for such works. Refurbishment projects may include refurbishment of existing housing stock (both occupied dwellings and vacant units), refurbishment of fire-damaged houses, construction of extensions to existing houses, and minor civil works.

Application to be included in the shortlist should be made in writing to the Town Clerk, Dundalk Town Council, Town Hall, Crowe Street, Dundalk, Co Louth, on or before 1.00 pm on Thursday 14th April 2005.

Details of applicant firms' relevant qualifications & experience and details of their public & employer liability insurances, a copy of their company Safety Statement, C2/Tax Clearance certificate details and any references must accompany the application to be included in the shortlist.

F. Pentony
Town Clerk
23rd March 2005
www.dundalktown.ie

MEATH COUNTY COUNCIL

Notice of Registration of Quarries

Meath County Council hereby gives notice that the following Quarries have been registered in accordance with Section 261 of the Planning & Development Act, 2000 as amended.

1. Roadstone Provinces Ltd., Saggart, Co. Dublin - Quarry at Moylin, Longwood, Co. Meath (Ref. Q1-S261) Planning permission was granted for this Quarry in 1975. The Planning Authority is considering modifying or adding conditions in relation to the operation of this quarry.
2. John Gallagher Plant Hire, Mullagh, Quarry, Bellewstown, Co. Meath, Quarry at Mullagh, Bellewstown, Co. Meath (Ref. Q3-S261). Planning permission has not been granted for this quarry. The Planning Authority is considering imposing conditions in relation to the operation of this quarry.

The Planning Register, which gives details of these Quarries may be

MEATH COUNTY COUNCIL NAVAN TOWN COUNCIL

Navan Inner Relief Road Phase 2A

PROVISION OF MODIFICATIONS TO ACCOMMODATE TWO-WAY TRAFFIC

Planning Notice - Part 8 of the Planning and Development Regulations 2001 Planning and Development Act, 2000.

In accordance with the above regulations Meath County Council and Navan Town Council hereby give notice of their intention to commence work on the provision of modifications to accommodate two-way traffic on Navan Inner Relief Road Phase 2A from its junction with the N3 to its junction with the Roundabout at the "Round O" junction. The work shall consist of the following:-

- Proposed lane widths of 3.5m throughout.
- A two lane 2-way single carriageway from the Ratholdren Road junction up to the Flower Hill roundabout.
- Two lanes will be provided for traffic travelling on the Phase 2A Inner Relief Road from the Ratholdren Road junction to the N3 junction.
- A single lane will be provided for traffic travelling on the Phase 2A Inner Relief Road from the N3 junction to the Ratholdren Road junction.
- A dedicated left turn lane on the N3 for traffic coming from the Cavan direction and turning left onto the Phase 2A Inner Relief Road.
- Lane gains on the Phase 2A Inner Relief Road at junctions.
- The existing horizontal and vertical geometry of the Phase 2A Inner Relief Road centreline will be substantially as per the existing alignment. The additional lanes will primarily be achieved through widening of the carriageway as necessary. In general this will require the removal and/or reduction of the width of the 1.5m grass verge in several locations on the scheme.

Plans and particulars of the proposed scheme are available for inspection during normal office hours excluding Bank Holidays for the period from 29th March, 2005 to 29th April, 2005 at the following locations:

The Planning Office, Meath County Council, County Hall, Railway Street, Navan, Co. Meath
Navan Town Council, Town Hall, Watergate Street, Navan, Co. Meath
Submissions or observations with respect to the proposed development dealing with the proper planning and sustainable development of the area in which the proposed development would be situated, may be made in writing to Planning Department, Meath County Council, County Hall, Railway Street, Navan on or before 4.00 pm on Tuesday, 17th May, 2005.
FERGUS MULDOON, Town Clerk/Area Administrator. 26/3/05

Organic Gold (Marketing) Ltd

PUBLIC NOTICE

Application to the Environmental Protection Agency for a Waste Licence
Notice is hereby given in accordance with Articles 5 and 6 of the Waste Management (Licensing) Regulations 2004 (S.I. No. 395 of 2004) that Organic Gold (Marketing) Ltd of Wilkinstown, Navan, Co. Meath are applying to the Environmental Protection Agency for a Waste Licence within two weeks of this date in respect of upgrading their existing Composting Facility located in the townland of Wilkinstown, Co. Meath - National Grid Reference as follows: 284, 687E, 277,219N.

Organic Gold (Marketing) Ltd propose to upgrade their existing facility which currently operates under a Waste Permit from Meath County Council and to increase the annual intake to 25,000 tonnes per annum for non-hazardous organic waste.

The Classes of Waste Disposal and Recovery Activities applied for as per the Third and Fourth Schedules of the Waste Management Acts, 1996 to 2003 are as follows:

- Third Schedule
Class 11 - Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
- Class 12 - Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
- Class 13 - Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
- Fourth Schedule
Class 2 - Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).
- Class 4 - Recycling or reclamation of other inorganic materials.
- Class 10 - The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.
- Class 11 - Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
- Class 12 - Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.
- Class 13 - Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

The Principal Activity at the site is Class 2 of the Fourth Schedule as detailed above.

The application is accompanied by an Environmental Impact Statement (E.I.S.).
The Waste Licence Application and EIS will be submitted to the Agency within two weeks of the publication of this notice. A copy of the Waste Licence Application and EIS and 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 and purchase, at the Headquarters of the Environmental Protection Agency, Johnstown Castle Estate, Wexford.

ARTICLES FOR SALE 12

INSURANCE
MOTOR, Private/Commercial, New Quoting For Marine, Drivers, etc.
SPECIAL RATES, Early Buyers, plus over 50's
LIABILITY Builders & All Trades, Commercial Buildings, House, Farm, Shops, etc.
Life, Sickness, Accidents, Mortgages
For an independent quote, without obligation
Phone: 046-9241155/91569
Email: info@meath-chronicle.ie

TREADMILLS
Second hand commercial
Delivered and Guaranteed
Contact Adrian at
Bodytrim: (087)9262635
IT PAYS TO ADVERTISE IN THE CHRONICLE CLASSIFIEDS

ARTICLES

OLIVER G & HI
Flower Hill, Navan, Co. Meath
DOING A BIT THIS EASTER!
WE hire all the tools you need for the job done: Wallpaper, Carpet Cleaners, Lawnmower, Hedge-trimmers, Power Washers, Mini Diggers, Dumpers, R. DELIVERY SERVICE AT

BL
Roller, Vertical Venetian & Wood
Direct Factory Price
And Free Call Out
Freefone

Jim Tallon
Curraghtown, Drumree Co. Meath
01-8259749 087-695536
FOR YOUR **Stihl Viking**
Walk Behind and Ride-on Mowers

Also full range of Stihl Power Tools in stock
SALES & SERVICE
ANTIQUE STREET LAMP
- VICTORIAN RADIATOR TROUGHS -
MILSTONES - CHIMNEY POTS - POT BELLY STOVE
086-2520466

SLEEPERS FOR SALE
Gibbetstown, grade A, top quality
Tel: 046-9054295 / 086-404822

FOR SALE - Stanley super hot fuel cooker with back boiler & splashguard, needs some improvement but generally good condition €375 ono. Call 046-80548 evenings after 8 pm.

RACK STEAMER conflict oven in perfect working condition €2,500 ono. Also an Indesit toaster €250 ono. Cont. John 9028493 / 9024535.

WATTERS GARDEN shed Floodstown, Ardee. Pkifax 0853799. For the best selection garden sheds, all sizes with me roses, sun seats, Gazebos Pergolas, Offices, Horse Stalls Dog boxes, dog runs (wooden or steel), Summerhouses, Log cabin Pigeon Lofts, bird tables, Childs playhouses, tree houses, acyl centres, swings and slides, fence trellis and gates also available. major Credit Cards accepted. 07 days a week 9am - 9pm. www.wattersgardensheds.com

FOR SALE - a large selection mobile homes and caravans, 1 and 3 bedrooms from €2,000, delivery. Tel: 045-874448 or 0 2632058.

FIREWOOD LOGS, dry season hardwood, logs cut and split size. Large or small loads delivered. Telephone 046-9052248.

DUTCH STYLE oak dresser, 6 leaf kitchen table + 2 chairs, 4 chair + 2 seater dog house, 6 bunk beds, Victorian dolls house dog kennel. Telephone 07 1731852.

FOR SALE - Beautiful Commun Dress size 30, complete wt underpill, bag, matching hat dress and a beautiful handms crochel cape Worn once. Phc

ENVIRONMENTAL PROTECTION AGENCY WASTE LICENSING RECEIVED

31 MAR 2005

EDS

TO CONTACT OUR ADVERTISING STAFF TEL 046-9079600 Email: info@meath-chronicle.ie

The deadline for Classified Advertising is 10 am on the Monday before publication



MEATH COUNTY COUNCIL NAVAN TOWN COUNCIL



Navan Inner Relief Road Phase 2A

PROVISION OF MODIFICATIONS TO ACCOMMODATE TWO-WAY TRAFFIC

Planning Notice - Part 8 of the Planning and Development Regulations 2001 Planning and Development Act, 2000.

In accordance with the above regulations Meath County Council and Navan Town Council hereby give notice of their intention to commence work on the provision of modifications to accommodate two-way traffic on Navan Inner Relief Road Phase 2A from its junction with the N3 to its junction with the Roundabout at the "Round O" junction.

The work shall consist of the following:-

- Proposed lane widths of 3.5m throughout.
A two lane 2-way single carriageway from the Ratholdren Road junction up to the Flower Hill roundabout.
Two lanes will be provided for traffic travelling on the Phase 2A Inner Relief Road from the Ratholdren Road junction to the N3 junction.
A single lane will be provided for traffic travelling on the Phase 2A Inner Relief Road from the N3 junction to the Ratholdren Road junction.
A dedicated left turn lane on the N3 for traffic coming from the Cavan direction and turning left onto the Phase 2A Inner Relief Road.
Lane gains on the Phase 2A Inner Relief Road at junctions.

The existing horizontal and vertical geometry of the Phase 2A Inner Relief Road centreline will be substantially as per the existing alignment. The additional lanes will primarily be achieved through widening of the carriageway as necessary. In general this will require the removal and/or reduction of the width of the 1.5m grass verge in several locations on the scheme.

Plans and particulars of the proposed scheme are available for inspection during normal office hours excluding Bank Holidays for the period from 29th March, 2005 to 29th April, 2005 at the following locations:

The Planning Office, Meath County Council, County Hall, Railway Street, Navan, Co. Meath

Navan Town Council, Town Hall, Watergate Street, Navan, Co. Meath

Submissions or observations with respect to the proposed development dealing with the proper planning and sustainable development of the area in which the proposed development would be situated, may be made in writing to Planning Department, Meath County Council, County Hall, Railway Street, Navan on or before 4.00 pm on Tuesday, 17th May, 2005.

FERGUS MULDOON, Town Clerk/Area Administrator. 26/3/05 SN1082

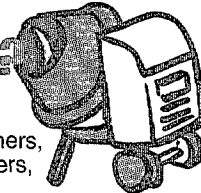
ARTICLES FOR SALE 12

OLIVER GOUGH SALES & HIRE LTD.

Flower Hill, Navan, Co. Meath. Tel. 046-9021780

DOING A BIT OF DIY THIS EASTER BREAK

WE hire all the tools you need to get the job done: Wallpaper Strippers, Carpet Cleaners, Lawnmowers, Strimmers, Hedgetrimmers, Power washers, Ladders, Mini Diggers, Dumpers, Rollers etc. DELIVERY SERVICE AVAILABLE



EX7008

LOCAL BLINDS

Roller, Vertical, Venetian & Wooden

Direct Factory Prices And Free Call Out!!

30% OFF Selected Range

Freefone 1800-34-11-66

Jim Tallon

Curraghtown, Drumree, Co. Meath 01-8259749 087-6955365

FOR YOUR Stihl Viking Walk Behind and Ride-on Mowers



Also full range of Stihl Power Tools in stock SALES & SERVICE

TIMBERMAN

Firewood, Logs.

Cold nights coming

I will warm your hearth, top quality

087-9636925

Quality Turf

For Sale

Weighbridge facilities available. Collected or delivered.

Tel. 046-9432382

Michelle 087-6741804.

3+2 SOFAS, black leather, pine bed and mattress, garden shredder, chest and matching lockers. Tel. 086-1083061.

CAR TRAILER (New) 6x4, 18", Galvanised Lights, Shock Arms, for light work. Easy pull, bargain of the week. Only €425 for quick sale. 086-3894725.

FOR SALE Flooring Click laminate flooring. Heavy duty 8.3 mm. 12/50

Organic Gold (Marketing) Ltd PUBLIC NOTICE

Application to the Environmental Protection Agency for a Waste Licence

Notice is hereby given in accordance with Articles 5 and 6 of the Waste Management (Licensing) Regulations 2004 (S.I. No. 395 of 2004) that Organic Gold (Marketing) Ltd of Wilkinstown, Navan, Co. Meath are applying to the Environmental Protection Agency for a Waste Licence within two weeks of this date in respect of upgrading their existing Composting Facility located in the townland of Wilkinstown, Co. Meath - National Grid Reference as follows: 284, 687E, 277,219N.

Organic Gold (Marketing) Ltd propose to upgrade their existing facility which cur-

ANTIQUE STREET LAMPS

VICTORIAN RADIATORS

TROUGHS

MILLSTONES - CHIMNEY

B.7 Type of Waste Activity, Tonnages & Fees

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

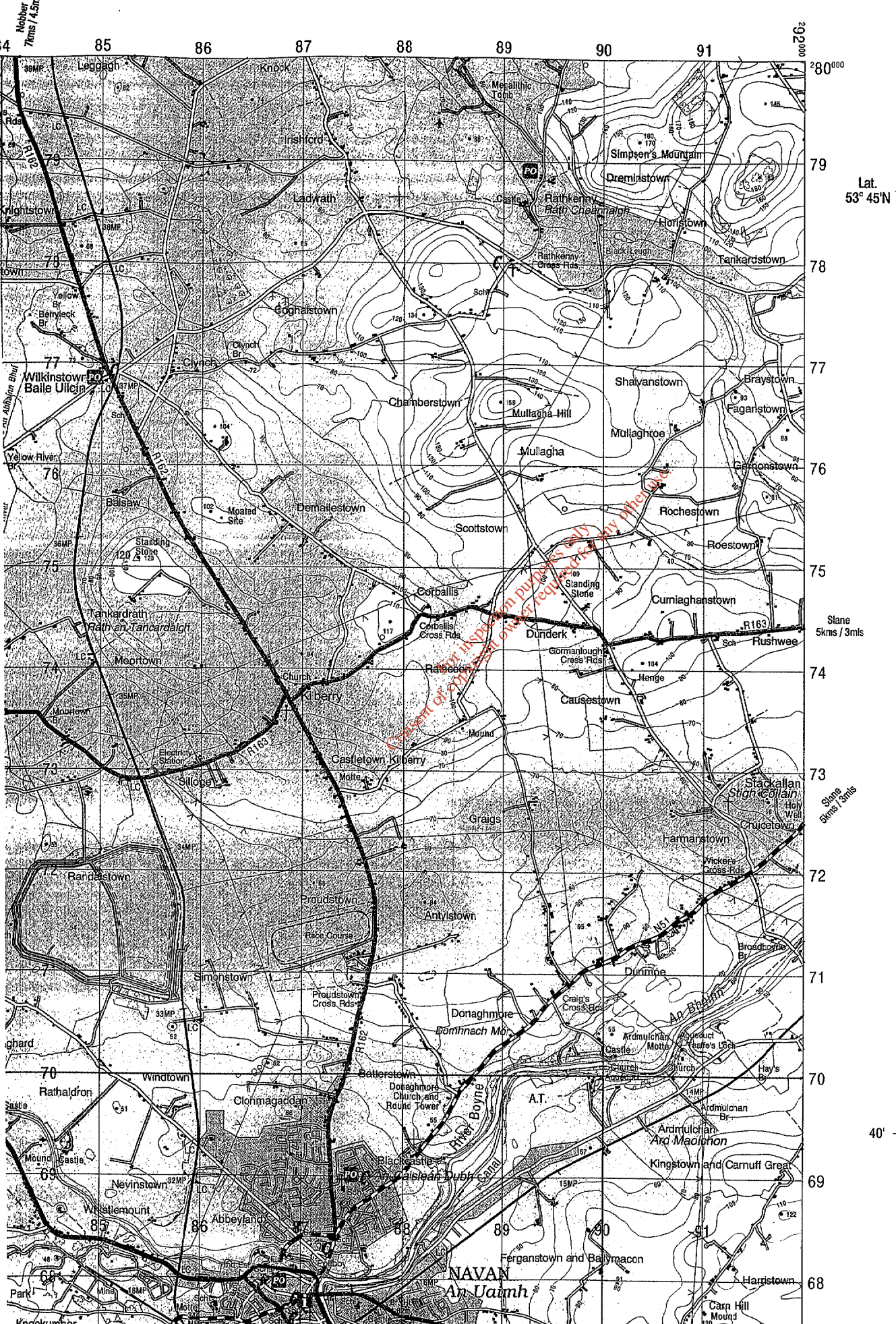
Attachment B.7 should identify the principle activity and include a brief technical description of each of the other activities specified. There can only be one principal activity.

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

Waste Management Acts 1996 to 2003			
THIRD SCHEDULE Waste Disposal Activities	Y/N	FOURTH SCHEDULE Waste Recovery Activities	Y/N
1. Deposit on, in or under land (including landfill).		1. Solvent reclamation or regeneration.	
2. Land treatment, including biodegradation of liquid or sludge discards in soils.		2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).	P
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.		3. Recycling or reclamation of metals and metal compounds.	
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.		4. Recycling or reclamation of other inorganic materials.	Y
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.		5. Regeneration of acids or bases.	
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 7 to 10 of this Schedule.		6. Recovery of components used for pollution abatement.	
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).		7. Recovery of components from catalysts.	
8. Incineration on land or at sea.		8. Oil re-refining or other re-uses of oil.	
9. Permanent storage, including emplacement of containers in a mine.		9. Use of any waste principally as a fuel or other means to generate energy.	
10. Release of waste into a water body (including a seabed insertion).		10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	Y
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.	Y	11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.	Y
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.	Y	12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	Y
13. Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.	Y	13. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.	Y

DISCOVERY SERIES 42

Long. 06° 40'W



Lat. 53° 45'N

Slane
5kms / 3mils

Slane
5kms / 3mils

40'

NAVAN
An Uaimh

Attachment B.7.1

Fourth Schedule of the Waste Management Act

Waste Recovery Activities

Class 2: This is the **Principal Activity** on site and consists of the recovery of organic waste from municipal, industrial and commercial sources such as green waste, wood chip, sludge and a mixture of other organics such as brewers grain. The dried slurry will be recovered thorough mixing with peat to produce a commercial soil improver. Dried sludge will be recovered and mixed with other inorganics to produce a high-grade fertiliser. Other organic waste will be recovered through windrow composting producing a compost product.

Class 4: This activity would involve the acceptance of soil and subsoil's on site to be mixed with the compost producing an enhanced soil product.

Class 10: The use of finished compost as a soil improver with beneficial consequences for land to which it is added in land remediation projects.

Class 11: The use of waste obtained from licensed recovery activities.

Class 12: The exchange of wastes for reuse/recycling/recovery at the facility.

Class 13: The temporary storage of waste at the facility pending collection for further recycling and recovery

Third Schedule of the Waste Management Act

Waste Disposal Activities

Class 11: The Blending or mixing of waste prior to disposal.

Class 12: Repackaging of wastes prior to disposal.

Class 13: The temporary storage of waste at the facility pending collection for disposal.

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)	25,000
Year	2005 onwards

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)	Not Applicable
Recovery of Waste	£5000 €6349*

* As previously confirmed with Tom Mc Loughlin on the 15th of June 2004.

TABLE B.7.4 (FOR A LANDFILL APPLICATION)

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

NOT APPLICABLE

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

B.8 SEVESO II DIRECTIVE

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

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

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

SECTION C MANAGEMENT OF THE FACILITY

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**.

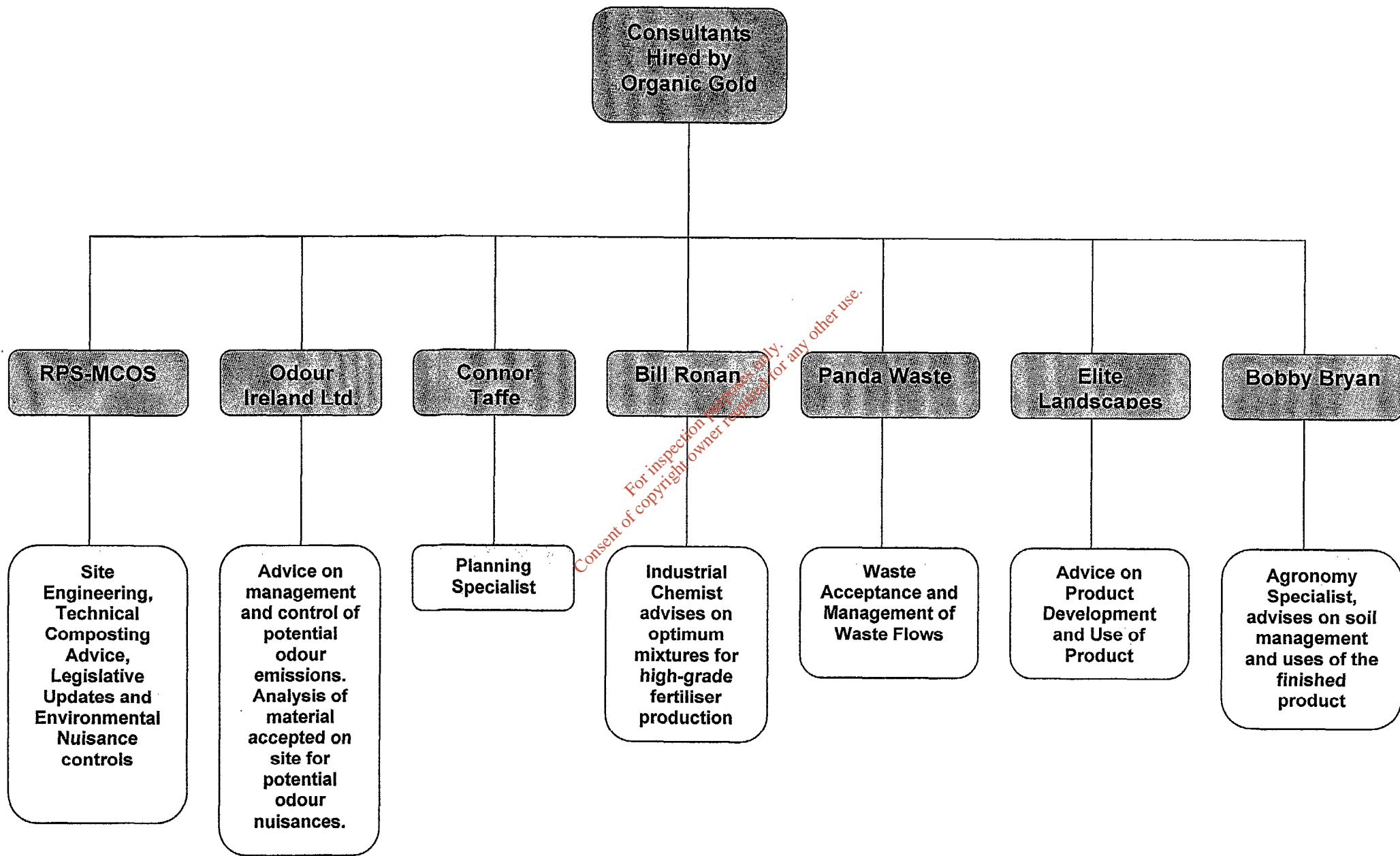
Attachment C 1

Site Management and Personnel within Organic Gold (Marketing) Ltd.

Name	Position	Duties and Responsibilities	Experience/Qualifications
John Finnegan	Director	Overall management of site	35 years experience in composting organic waste
Tom Finnegan	Director	Overall management of site	15 years experience in composting organic waste
Jim Finnegan	Director	Site Operation Manager	15 years experience in composting organic waste
Vincent Phelan	Financial Controller	Finance, Project Management and Product Development	10 years experience in R&D, Project Management and Product Development
Tony Finnegan	Operations Manger	Overall management and supervision of site operations	15 years experience in composting organic waste
Frank Burges	Facility Operator	Transport/ Operations and Plant Maintenance	2 years experience
Paddy Phelan	Facility Operator	Recovery Operations at the Composting Slab	2 years experience
Conor Walshe	Facility Operator	Retail product Manufacturing	1.5 years experience

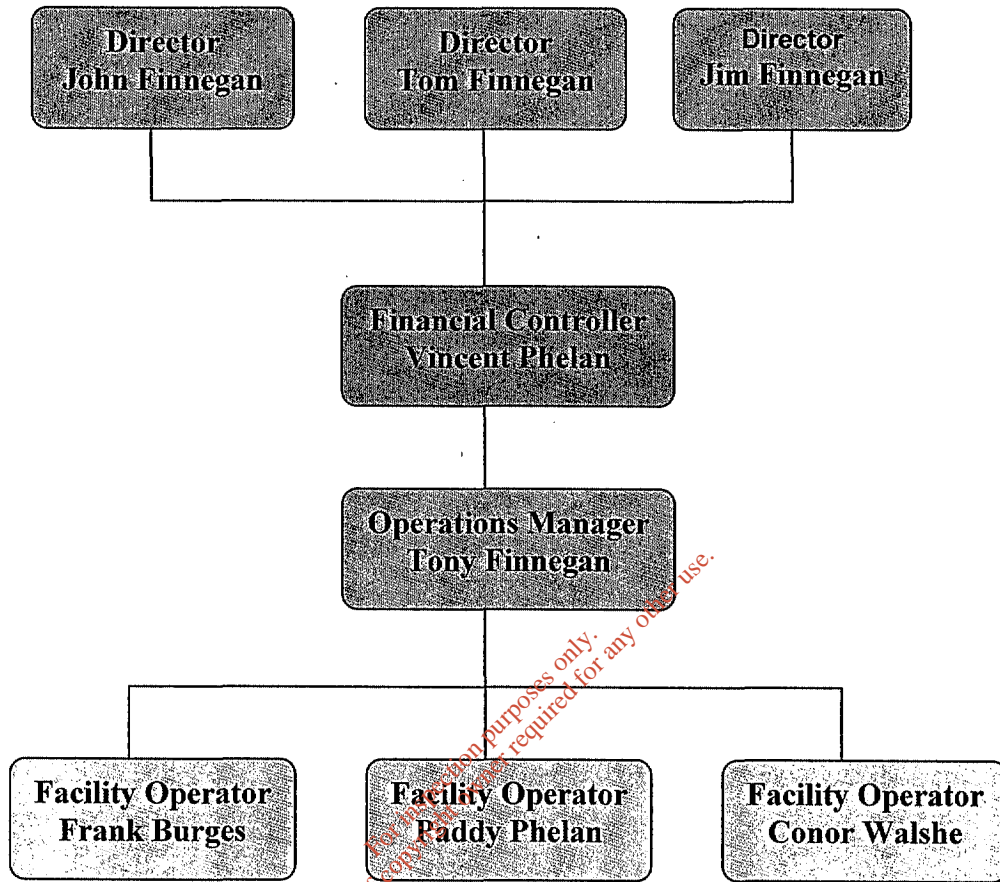
Organic Gold are proposing to hire an additional technical member of staff who would have responsibility for ensuring that the facility is operated in such a way that is does not impact on residents in the area or on the environment, who would be responsible for health and safety at the site and who would also liaise with residents in the community on behalf of Organic Gold.

A flow chart of the management structure for the OGF and the technical support available to them can be seen overleaf. Also attached is a list of consultants hired by Organic Gold who will be available to assist Organic Gold in the operation of the facility.



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

Organic Gold Marketing Ltd. - Site Management and Personnel



Consent of Organic Gold Marketing Ltd. required for any other use.

C.2 Environmental Management System

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

Attachment C 2

An Environmental Management System encompassing the whole facility will be made available to EPA within 6 months of granting of the waste licence. This will be based on the series of measures outlined in the EIS relating to facility operation and mitigation of potential environmental impacts including dust, noise, odour, bioaerosols and emissions to surface water and groundwater.

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.

Attachment C 3

Hours of Operation

The facility will operate from 07.00 to 20.00 Monday to Friday and from 07.00 to 14.00 on Saturdays.

Hours of Waste Acceptance / Handling.

The facility will accept and handle waste from 08.00 to 19.00 Monday to Friday and from 08.00 to 13.00 on Saturdays.

C.4 Conditioning Plan

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

Attachment C.4

A conditioning plan outlines proposed measures to constantly upgrade existing operations and to improve on environmental performance and will comprise the following elements which will be achieved at the site within the timeframe outlined below from once the facility begins operation under the EPA Waste Licence.

Short term Improvements (0-3 months):

- All waste will undergo rapid decomposition in forced aerated in-vessel composting units for 2 weeks. The sanitised product will then be removed from the units and be allowed to mature in outdoor windrows to ensure a high quality compost product is produced.
- All waste will be deposited and mixed in a waste reception building. No waste handling will take place outdoors.
- Five foot (1.5 metre approx.) palisade fencing will be erected once planning permission is granted and will reduce air velocity, and decrease dispersion of odour from the site. This fencing has been bought and is currently housed at the site. The fencing along with the boundary and natural screening of tree saplings around the composting slab will reduce any potential impacts of odour and dust from being carried from the site and impacting on neighbours in the area.
- The misting system installed on site will be maintained and monitored to mitigate against potential odours being emitted at the site.
- Regular monitoring of site emissions such as dust, noise, odours and compost quality will take place during the operation of the site. Monitoring results will allow the site management to see how effective some abatement measures implemented on site have been and to see if further abatement measures are necessary.
- An odour specialist, Brian Sheridan from Odour Ireland has been hired by the facility to assist with technical advice as to the type of material that can be composted with out the risk of significant odour formation. For example, it was established that Gypsum previously accepted on site contained calcium sulphate which was causing the formation of Hydrogen Sulphide to be emitted from the process. Gypsum will no longer be accepted for composting at the site for this reason.
- A system of recording complaints regarding emissions at the facility will be employed. All complaints will be investigated and the complainant informed of the reason for the emission and actions taken to mitigate such an emission.
- Improved sign posting of the facility will take place and will include:
 - An EPA sign post erected at the site entrance showing details such as the facility name, facility operating hours and an emergency contact name and phone number.
 - Traffic signs detailing the one-way traffic system will be in place on site. This one-way system will help to improve traffic safety on site.
 - Signs will also be installed directing waste carriers to the weighbridge and waste inspection area where all waste loads arriving on site will be weighed and inspected.
- Fire hydrants will be installed near the car parking area at the corner of the office building and one in the composting slab area to protect against any potential fires on site.
- A wheel wash will be put in place near the entrance to the composting slab to wash any dirty vehicles on exiting the site and preventing debris from being carried out onto access road.
- Fuel storage tank C within the storage shed will be bunded.



WASTE Application Form

- Strict waste acceptance procedures will be adhered to at the site. Potentially odorous waste will be avoided at all times.

Medium Term Improvements (3-6 months)

- An Environmental Management System outlining written standard operating procedures for the site will be introduced at the facility. These would include recording of waste arriving on site, waste inspection documentation, waste quarantine details and the recording of all compost being moved off site for further use. Written operating procedures will be adhered to at all times.
- To ensure good operating procedures site operators will be made aware of the operating procedures within the Environmental Management System (EMS).
- A full time member of staff will attend a first aid course and be responsible for maintaining a first aid box in the office.
- Dust Suppression on the access road will be augmented by applying a fine spray using a water spray bar when required in dry weather.
- Security:
 - A security barrier will be erected in front of the office, where vehicles enter the facility and before approaching the weighbridge. A sign will also be in place to tell vehicle drivers to report to site office before being allowed on to the weighbridge.
 - A security barrier will also be erected from the southeast corner of the car park across the site entrance to ensure a one way traffic system is adhered to for the site and to allow exiting traffic from the site to exit through upon approval of the site office.
 - Another palisade gate will be erected across the entrance to the composting slab providing additional security for the site and its operations. A sign will be erected before approaching this security gate advising that they will now be approaching a waste inspection area.

Long Term Improvements (6-12 months)

- The site entrance will be improved allowing for double lane entrance with traffic speed kept to a maximum of 20 km hour to ensure safety on site and to keep dust and noise emissions to a minimum.
- The entire access route will be progressively upgraded with improved surfacing and surface water management.
- Organic Gold are proposing to hire an additional technical member of staff who would have responsibility for ensuring that the facility is operated in such a way that it does not impact on residents in the area or on the environment, who would be responsible for health and safety at the site and who would also liaise with residents in the community on behalf of Organic Gold.

SECTION D INFRASTRUCTURE & OPERATION

D.1 Infrastructure

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

Table D.1. Infrastructure		y/n	Comments
D.1.a	Site security arrangements including gates and fencing	Y	See attachment D.1.a
D.1.b	Designs for site roads	Y	See attachment D.1.b
D.1.c	Design of hardstanding areas	Y	See attachment D.1.c
D.1.d	Plant	Y	See attachment D.1.d
D.1.e	Wheel-wash	Y	See attachment D.1.e
D.1.f	Laboratory facilities	Y	See attachment D.1.f
D.1.g	Design and location of fuel storage areas	Y	See attachment D.1.g
D.1.h	Waste quarantine areas	Y	See attachment D.1.h
D.1.i	Waste inspection areas	Y	See attachment D.1.i
D.1.j	Traffic control	Y	See attachment D.1.j
D.1.k	Sewerage and surface water drainage infrastructure	Y	See attachment D.1.k
D.1.l	All other services	Y	See attachment D.1.l
D.1.m	Plant sheds, garages and equipment compound	Y	See attachment D.1.m
D.1.n	Site accommodation	Y	See attachment D.1.n
D.1.o	A fire control system, including water supply	Y	See attachment

			D.1.o
D.1.p	Civic amenity facilities	N	Not Applicable
D.1.q	Any other waste recovery infrastructure	Y	See attachment D.1.q
D.1.r	Composting infrastructure	Y	See attachment D.1.r
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	Y	See attachment D.1.u

Attachment D.1.a Facility Security Arrangements

There is a combination of security arrangements currently in operation at the OGF and additional arrangements planned for the future. These are described below.

Perimeter Security

There is a security gate at the entrance to the facility which is closed and locked when the site is not in operation. The site entrance and the eastern boundary of the facility is surrounded by four foot high wooden fencing. There is a natural boundary of mature hedgerow plants running along the entire southern boundary of the site. There is also some wooden fencing four foot high along the inside of the pathway towards the composting slab from the main fertiliser production building. To the north of the fertiliser production building the site perimeter is also made up of mature hedgerow plants.

The entire composting slab is enclosed in a five foot (c. 1.2metre) concrete wall. Surrounding the concrete wall is an embankment close to the height of the wall where a natural boundary of tree and shrub saplings have been recently planted. This work was completed on the 19th of March 2004. There is also a three foot (0.9 metre) 50/50 Agroclad windbreak mesh on top of the perimeter wall, which reduces wind speed and increases the efficiency of the misting system.

Five foot (1.2 metre) palisade fence will also be erected along the perimeter of the slab once planning permission has been granted which will act as a security perimeter fence. The palisade fencing has been on site since February 2004 awaiting permission to be erected at the site.

Building and Office Security

The fertiliser production building and the site offices are locked up at the end of each working day to protect buildings from vandalism and robbery during

non-working hours. All vehicles approaching the building are asked to report to the site office before entering the site. All waste delivery vehicles are weighed on the weighbridge before approaching the composting slab where waste inspection takes place. Records are kept of all waste deliveries including details of the type of waste, name of waste contractor and driver, waste collection permit details and vehicle registration details.

Future Security Improvements

Refer to Attachment I.2 for medium term improvements in security arrangements at the OGF.

Attachment D.1.b Designs for Facility Roads

The existing site entrance is approximately 6 metres wide and 120 metres in length and consists of a gravel surface coating. This site entrance will be widened to allow for double lane traffic according to a recommendation in the EIS. The proposed site entrance will be 133m long and 7.3 metres wide and will meet the DMRB standards. It is proposed that new site entrance will have an asphalt surface. Refer to Volume 1 Section 6 of the EIS for more detailed information.

The access areas around the fertiliser production building and the lane way approaching the composting slab consist of a gravel coating. The composting slab is entirely concreted. All access areas with the site boundary will be gradually upgraded within 12 months of operating under an EPA licence.

Attachment D.1.c Design of Hard Standing Areas

The composting slab consists entirely of a concreted area where waste will be tipped, sorted and processed at the site. On this slab are also tanks for the storage of leachate. The slab is made out of fibremesh reinforced concrete (1/200).

Attachment D.1.d Plant Equipment

The main types of plant equipment used at the site are described below.

Composting of Organic Waste at The Compost Slab

- Wasteology In-Vessel Units (x8) holding 180 tonnes of organic waste. Each unit is 8 metres wide, 15 metres long and 2.5 metres high to the walls.
- Backhus 15.5 Compost Turner - Purpose built self-propelled compost turning machine.
- Woiberforce Shredder – for shredding green waste and wood waste.
- JCB Farmaster 416 S, Mechanical loading shovel with air-conditioned cab.
- Idrotech Odour Control Fogging System, erected along the compost slab perimeter with spray nozzles at 1.5 metre intervals. It is controlled by a wind directional change using a plc-controlled system.
- 2 Ruscon Trailer's – 14 tonne tipping trailer with roll over cover

- Fliegl trailer – can hold 40 m³ of material and is a push of trailer. Special mechanism to prevent spillages of material.
- John Deere 7810 – Tractor with air brake system and air conditioning.
- Jet Wash 3000 – 3000psi Three Phase Power Washer

Processing of Organic Gold Retail Fertiliser

- Michigan 35B – Mechanical Loading Shovel
- John Deere 3200 – Teleporter Loading Shovel
- Kidd Muck Spreader – Agricultural muck spreader (rear flails) converted for compost turning
- John Deere 2130 – Tractor for pulling the spreader.
- Hyster Forklift
- Grade all Grader – grader for screening compost
- Big track hopper and elevator – Compost blending hopper and elevator to bagging plant
- Aircosse Compressor – Air compressor for bag flushing
- Walthamatic Bagging plant – for bagging compost
- Saxon Heat Sealer – compost bag heat sealer
- Pac 1500 Wrapper – pallet wrapping machine
- Berkel Indicat BE – Berkel digital scales (100kg's)

High Grade Fertiliser Production

- Big track hopper – 4 tonne blending hopper.
- Elevator- Elevator to blending unit
- Volvo blender – 8 tonne blending bottle (batch type)
- Elevator – Bucket elevator to grading system
- Grader screen – Vibrating screen / grader
- Storage bin – 8 tonne storage bin
- Saxon bagging unit – 10-50 Kg bagging unit with heat sealer
- Glenmill Aspiration Unit – purpose built aspiration unit with air extraction filter system
- Aircosse compressor – Air compressor for bag flushing
- 50 KVA Generator for back up purposes.

Attachment D.1.e Wheel wash (and Dust Suppression)

There is a Jet Wash 3000 – 3000psi Three Phase Power Washer in use at the site presently. This is for cleaning vehicles before they leave the site. In the future a wheel wash will be put in place near the entrance to the composting slab to wash any dirty vehicles on exiting the site and preventing debris from being carried out onto access road. All wheel washings will be diverted to the yard run off waters and stored in the underground leachate tanks until it is spread back on the windrows.

Organic Gold also propose to employ a tractor drawn water-tank with a wide spray-bar (c. 4m span) that can be used to dampen access road in dry periods thereby minimising dust. (Refer to conditioning Plan Attachment C.4)

Attachment D.1.f Laboratory Facilities

There is no dedicated laboratory facility on the site. However, Organic Gold utilise a temperature probe and pH meter for monitoring the composting process on site. The OGF also use a range of Environmental Consultants and laboratories for compost quality testing and environmental monitoring, refer to Attachment C1 for list of consultants hired by Organic Gold.

Attachment D.1.G Design and location of fuel storage areas

There are three fuel storage tanks on site. The location of the tanks can be seen on the **Site Layout Drawing DG002A04**. Tank A holds 1,000 litres of heating oil and is located in a bunded area at the west side of the office. Tank B and C are located in the bagging area and the storage shed and both hold 1,200 litres of diesel. Fuel tank C is not bunded at the present. However it is proposed that this will be bunded in the future.

D.1.h Waste Quarantine Areas

The location of the waste quarantine area can be seen on the attached **Floor Plan Drawing OG304**. Waste that has undergone inspection upon arriving at the site and found to be unsuitable to be recovered will be placed in the waste quarantine area. The quarantine area will be 5 metres long, 5 metres wide and 1.5 metres high and will consist of a pre-cast concrete, moveable bay.

D.1.i Waste Inspection Areas

The waste inspection area can be seen on the attached **Floor Plan Drawing OG304**. All waste arriving at the site will be weighed at the weighbridge before undergoing a thorough inspection by Organic Gold in the waste inspection area. The waste inspection bay will be 5 metres long and 3 metres wide. Additional bays are available for waste inspection if required. All non-compliant waste will be moved to the waste quarantine area. The waste inspection area and quarantine area will be well sign posted and separated from each other. A sign will also be in place directing drivers to the waste inspection area.

D.1.j Traffic Control

The site entrance will be upgraded and widened to 7.3 metres wide to allow for double lane traffic as can be seen on **Drawing DG002A04**. Refer to Volume 1, Section 6 of the EIS for more information. All traffic approaching the facility will be directed to the site office where they will then be weighed upon approaching the weighbridge. All traffic will then exit the site via the weighbridge near the site office.

In future development proposals for the site, traffic will follow signs to show the way to the fertiliser production building or the waste inspection area and the composting slab etc., as outlined on **Drawing DG002A04 Appendix A**.

D.1.K Sewerage and Drainage Infrastructure

Sewerage Infrastructure

There is one discharge point of foul water at the facility. The foul water is discharged through a 4 inch (100mm) wavin pipe running from the office building, toilets and sinks and is directed to a septic tank approximately 40 metres south east of the office building, refer to **Drawing DG003A02 Appendix A** Discharge from the septic tank passes through the percolation area as shown. The tank is as a standard domestic precast tank and was upgraded in 2003 at the site when the percolation area was also installed.

Drainage Infrastructure - Surface Water Drainage

Surface water flows on site are described below for the:

- a) Composting slab;
- b) Area around the buildings;
- c) And the paddock area.

(a) Composting Slab

The fall of the concrete slab is in a southerly direction, where surface water run-off, during periods of heavy rainfall, flows towards a gully at the entrance to the paved concerted area, which is impermeable.

Surface water run-off flows from the gully and is collected and stored in two tanks one with a capacity of 6,800 litres (tank A), the other with a capacity of 16,000 litres (tank B). The run off then flows under gravity from tank A to B. The runoff is then pumped periodically into the large above ground storage Tank C with a capacity of 945,000 litres. At present there is a ground level connection for removing water from tank C. However this will be replaced by an new over-ground filling point by either an umbilical pipe or by a connection to a slurry spreader which will recirculate the water into the windrows maturation area where it will maintain optimum moisture levels for the composting process.

Leachate that is produced in the in-vessel composting units will be directed to the gully from where it will also be stored in the underground storage tanks. From here it will be removed and reused in the maturing windrows or mixed with incoming waste before treatment. More detail on the tanks can be found in **Attachment D1K**. In reality, it is expected that there will be no net production of leachate at the site due to recirculation of the leachate, which is common at composting facilities.

(b) Area Around and Including the Site Buildings

Surface water collected from the fertiliser production building and its surrounds flows via a 220mm concrete pipe which runs from the corner of the main building via an underground pipe 4 inches below the concrete surface into an open ditch along the site boundary on the R162 road. There is natural infiltration of surface water from the site in the area around the buildings.

(c) Paddock Area

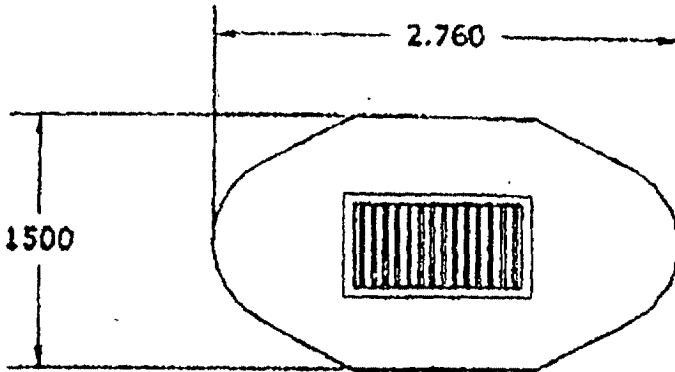
Clean surface water flow in the paddock area undergoes natural infiltration into the ground.

CARLOW PRECAST TANKS LTD.

Kilknock, Ballin, Co. Carlow Tel: 0503 59322, Fax: 0503 59202, e-mail: sales@carlowprecasttanks.com
Manufacturers of Septic and Effluent Tanks, Pump Chambers, Reservoirs, Interceptors and Special Pro-

CP GRT 450 Grit Trap

Att. JOHN.

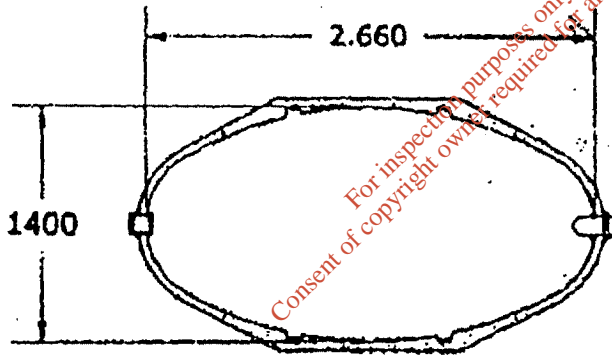


1000mm x 500mm Access opening.

Chequer plate pattered top surface to roof.

Roof design to particular loading requirements.

Roof Plan



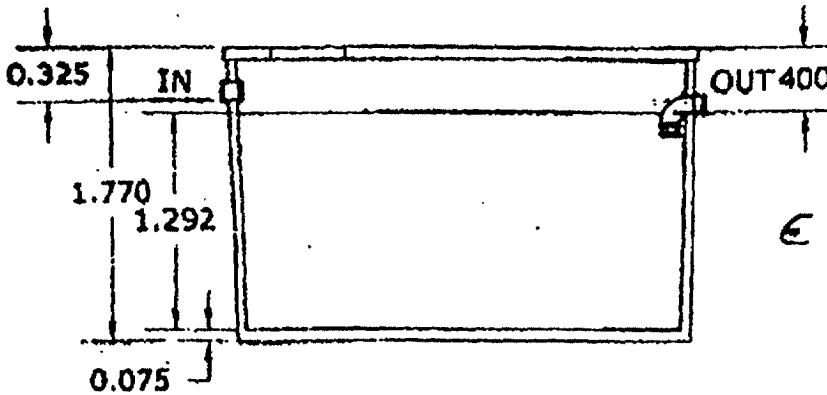
For inspection purposes only.
Consent of copyright owner required for any other use.

110mm Wavin fittings typical. (Others available to order).

Standard tank weight 3.75 tonnes.

Working capacity 840 gallons (3.82 cubic metres).

Floor Plan



€ 1450 + Vat

Section

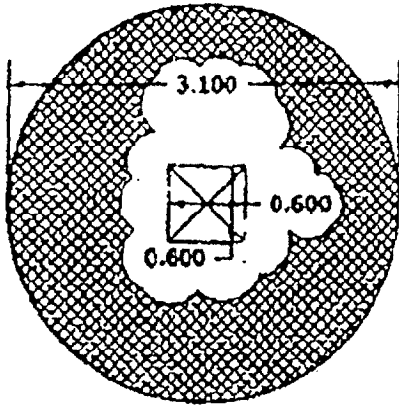
TANK B

AS INDICATED ON D6002A04

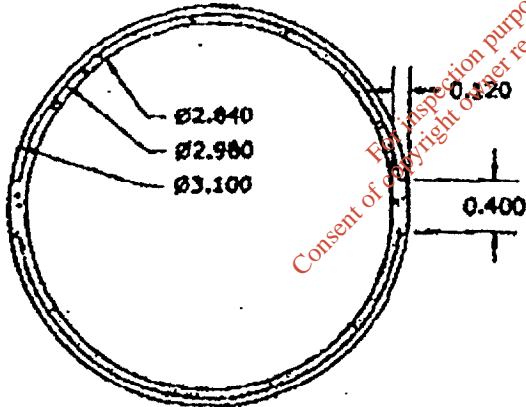
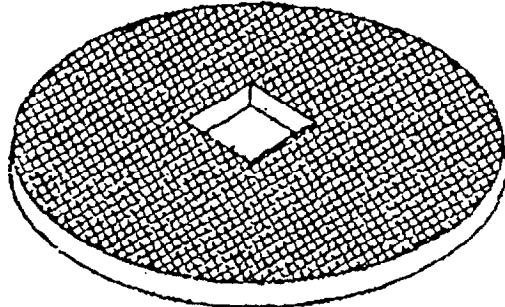
CARLOW PRECAST TANKS LTD.

Kilnock, Ballin, Co. Carlow, Tel: 0533 37222, Fax: 0533 37202, e-mail: sales@carlowprecasttanks.com
Septic and Effluent Tanks, Pump Chambers, Reservoirs, Interceptors and Special Products

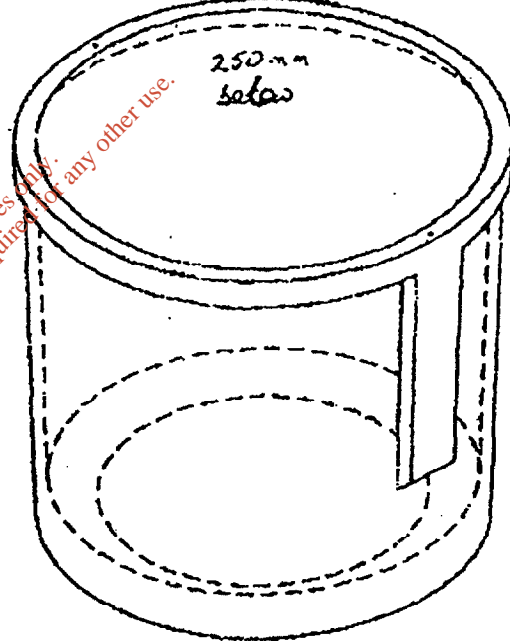
3500 GALLON (15.90 cubic metre) TANK



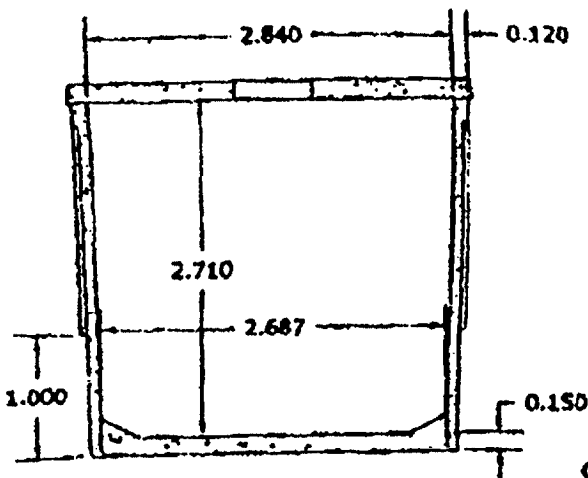
ROOF PLAN



FLOOR PLAN



3D VIEW



SECTION

Roof design to particular loading requirements.

Collars, fittings etc. to customers requirements.

Standard tank weight 6.25 tonnes without lid, 9.10 tonnes including lid.

Tank can be subdivided to form septic tank, interceptor or other to customers requirements.

0m 1m 2m 3m 4m

D.1.1 All Other Services

All services at the site such as ESB, surface water and foul water flows, fire hydrants etc available at the site can be seen on **Drawing DG003A02 Appendix A.**

Electrical Services

The site is served with electrical services at present. Electrical supply runs from a 3-phase transformer in the composting slab with one line travelling south west along the perimeter of the slab via an over head line until it reaches the southern point of the slab from where the second line runs via an underground line for approximately 35 metres, where it then travels via an overhead line west along the slab perimeter out into an neighbours field. At the southern point in the slab the third line runs along the pathway until it reaches a powerhouse near the fertiliser building where it provides electricity for the building.

Fire Hydrants

Fire hydrants will be installed near the car parking area at the corner of the office building and one in the composting slab area to protect against any potential fires on site. Four-inch Class II water mains will run from the site entrance and supply the fire hydrants proposed for use on site. Organic Gold has paid for this supply and is awaiting connection from the County Council.

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

All of the above infrastructure can be seen on **Drawing DG002A04 Appendix A** and further information is supplied below.

Waste Reception Building

Refer to attached elevation and Floor plan drawings **OG303** and **OG304** respectively. For more information refer to **Volume 1, Section 5.3.1 of the EIS.**

Fertiliser Production Building

This building contains all equipment for processing and bagging the high-grade fertiliser and retail compost product. The plant contained in the bagging area consists of a hopper, mixing machine (roadstone truck), bagging unit and an aspirator. In the retail compost area only a mixer is used to mix the base product with peat to produce a soil improver and/or soil fertiliser. There is a two metre reinforced concrete wall between these two areas within the fertiliser production building.

Storage Shed

There is a plant storage shed on the eastern side of the fertiliser production building, which houses fuel storage tank C and other equipment and materials used on site.

Vehicle Storage Area

There is a vehicle storage area also on site. Presently this is not clearly marked out but there are proposals to fence around this area to fence it off better from the remainder of the site.

D.1.n Site Accommodation

Site accommodation comprises a designated site office located to the front of the fertiliser production shed, an entrance lobby to the office and staff toilet and washing facilities. Car parking spaces are also available outside the office area for visitors and staff. Refer to **Drawing DG002A04 Appendix A**.

D.1.o Fire Control

For information on fire hydrants to be used as a fire safety control at the site, refer to **Section D.1.i** and **Drawing DG003A02 Appendix A**.

D.1.q Any Other Waste Recovery Infrastructure

All waste recovery infrastructures at the site has been explained in the sections above.

D.1.r Composting Infrastructure

Refer to **Volume 1, Sections 5.3.2 and 5.5.1 of the EIS** and the 'Wasteology' Company Brochure which includes a CD, attached in **Attachment D.1.r** for information on the Wasteology In-Vessel Composting system proposed and the maturation area.

For inspection purposes only - consent of copyright owner is required for any other use.

TURNING WASTE INTO WORTH



THE WASTEOLGY[®]
IN-VESSEL COMPOSTING SYSTEM



A proven, cost-effective, modular and flexible in-vessel composting system that conforms to the DEFRA rules relating to the handling of bio-degradable waste



FREQUENTLY ASKED QUESTIONS

THE IN-VESSEL COMPOSTING PROCESS

A number of factors are important in controlling the composting process and the time that the process takes. These factors include temperature, moisture, oxygen, particle size, the carbon-to-nitrogen ratio of the waste and the degree of mixing or turning involved. In general, the more actively these factors are controlled, the faster the process.

1. Is the Wasteology system ABPR compliant?

Yes. Our Wasteology in-vessel system was designed from the start to meet current UK and EU rules. Operational procedures have to be strictly carried out and maintained.

2. Has the Wasteology system achieved the ABPR licence?

To date our clients have achieved 100% record in obtaining the necessary validation, under UK Regulations and using the two Barrier system. Please note proper procedures have to be put in place and maintained to satisfy SVS regulations. We are pleased to offer the services of our independent consultants who have a considerable experience and knowledge.

3. Can potential customers view the system?

We are happy to arrange a visit to our site by appointment.

4. Can we help with obtaining planning permissions?

We prefer to recommend a professional planning consultant with years experience with in-vessel composting.

5. Can Wasteology be installed in an existing building?

We are in a position to design a system that stayed clean all of the time. The patented system has proven itself over the last two years.

6. Does the Wasteology system come with a warranty?

The system comes with a five year warranty.

7. What are the dimensions of the clamp?

Each clamp is 8 metres long and 5 metres high.

8. How much does the system cost?

The cubic capacity of the system is 1000m³. The typical weight applied is 1.2 tonnes per m³.

9. How long does the composting process take?

This is very much dependant on the type of waste. For example, for agricultural use, the material is shredded and followed by six to eight weeks maturation. It should also be noted that the length of time is dictated by the requirements of the system and using the time/temperature criteria. In both barriers, the material is shred and put into Barrier 1, and then transferred into a second vessel for Barrier 2. The material is then removed from barrier 2 and is then matured on a maturation pad for a further six to eight weeks.

10. Does composting cause odours or attract rodents?

The Wasteology system does not attract rodents or birds as the waste is received and pre-processed in a building and then composted for approximately two weeks in fully enclosed clamps. It should be noted that under the ABPR rodents and birds must be excluded from the waste and site. The SVS and Trading Standard Officers regularly inspect sites to ensure this occurs. Any waste

management facility, including a composting site, has the potential to generate offensive odours usually due to the feedstock or inadequate aeration or excessive moisture. Close monitoring of these factors can usually help to minimize odours. Facilities can employ abatement systems, such as bio-filters, to treat occasional odours. Trials have been carried out where the oxygen levels have been monitored within the clamps in at least three different points around the clamp, all at the waste surface. This was carried out in both barriers and averaged 16%, more than sufficient for the biological process. This results in temperatures of 65 to 70°C being achieved in both barriers.

11. Can I compost in the winter?

Yes. We have not had any problems with Wasteology in-vessel system. Providing the waste composition is correct then the micro-biological system will produce temperatures in excess of 60°C as required by the ABPR.

www.wasteology.com
COMPACT DISC
Duration 15 mins
July 2004

This CD-ROM is designed to run automatically.
If it does not
for Windows double click on **Wasteology.exe** on the CD in My Computer
for Mac OSX double click on **Wasteology** in the Wasteology CD.

This CD-ROM contains MPEG1 video and audio.
Please ensure that your PC has speakers.

Windows 98 / 2000 / NT / XP
and MAC OSX
compatible

May we now invite you to load the CD and see the Wasteology® System in action.



Wasteology® and RetractableRoof® are registered trademarks.



NORTH CHEMICALS LTD.

UNIT 6C,
MALAHIDE ROAD IND. PARK,
COOLOCK,
DUBLIN 17.
Telephone: 8770997
Fax: 8770996
Service: 086-2540680
Email: northchemicals@o2.ie

CLEAN AIR - Odour Neutralizer

The natural way to neutralize foul odours

Clean Air is a blend of natural oils, which are solubilized, in an aqueous solution. These oils have the ability to clean and disinfect and neutralize offensive odours. The mechanism through which it happens is quite complex however the molecules of the natural oils seem to be electrostatically attracted to the molecules causing the offensive odour and a process of neutralization occurs. Clean Air is not a masking agent.

Applications

- Sewage Treatment Work
- Pumping Stations
- Fish Processing Industry
- Meat Rendering and Processing
- Miscellaneous Industries and applications where odour is a problem.

HEALTH & SAFETY

Clean air contains no synthetic chemicals or volatile organic compound. It has no adverse effect on animal life or vegetation and is perfectly safe to spray into the atmosphere.

Diluted Rates: Apply at concentrations 1: 100 to 1: 200 using atomisation equipment.

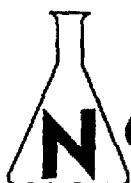
For further information on how to control odour problems contact:

North Chemicals Ltd, Unit 6C Malahide Rd, Industrial Park
Coolock, Dublin 17. Tel: 8770997 Fax: 8770996 E-Mail: northchemicals@o2.ie

D.1.u Any Other Infrastructure

- Mist Air System – Refer to **Volume 1 Section 5.3.5 of the EIS** for details. Also refer to **Attachment D.1.u** overleaf for technical specifications on the Mist Air System and information on the Clean Air – Odour Neutraliser
- Weighbridge – Refer to **Volume 1 Section 5.3.5 of the EIS** for details.

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



NORTH CHEMICALS LTD.

UNIT 6C,
MALAHIDE ROAD IND. PARK,
COOLOCK,
DUBLIN 17.
Telephone: 8770997
Fax: 8770996
Service: 086-2540680
Email: northchemicals@o2.ie

Clean Air Product Specification

Colour	-	White Milky
Odour	-	Citrus, Pleasant
PH	-	7 - 9
Foam	-	None
Biodegradable	-	Fully
Caustic	-	None
Acidity	-	None
Solvents	-	None
Heavy Metals	-	None

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

Technical Features: Misting System

1 No. 3 phase self contained module complete with pump motor; chemical injection with inlet filtration; low level protection, motor protection; lack of water protection- 4 no. *selections.*

This unit will be fitted in a Plant Room and connected to the bulk tank water through a pump. Connected to the module with two out-lets will be a stainless steel fogging lines, and Adaptors spaced at 2,000mm intervals

- *Aluminium support structure with painted steel panels*
- *Bertolini pump with 3 ceramic pistons and brass head*
- *Electric motor 1450 R.P.M 50Hz; 51*
- *Adjustable flow/pressure valve*
- *Safety release valve*
- *Pressure gauge-glycerine filled*
- *Solenoid valve 24V. 50Hz water inlet*
- *Solenoid valve 24V. 50Hz unload High Pressure Line*
- *Pressure switch for lack of water.*
- *Electric board, electric transformer 380/220/24V; General ON/OFF switch*
- *Thermal overload switch; start/reset.*
- *Warning indicator for motor protection, lack of water , voltage, pump.*
- *Ready to be controlled by an external thermostat.*

Each fogging line will be fixed to the fencing at the boundary wall. The installation is commissioned by . This equipment comes with a full 12 months Warranty Parts and Labour first class on site after-sales service.

Technical Features: Automatic Wind Directional Change Over System

The system comes complete with *Directional Mast*; which operates through an electrical control panel, controlling 4 no. 24 volt solenoid valves - connected to each of the 4 Z This is also connected to an *Automatic Flow Control System* ensuring a finely atomized barrier at all times. Any odours leaving their source become neutralised before leaving the boundary.



WASTE Application Form

D.2 Facility Operation

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

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

Attachment D 2

Waste Activities, Processes, Methods and Operations are explained in detail in **Volume 1, Section 5 of the EIS**.

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

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.1 Emissions to Atmosphere

There are no point emission sources with the activity. Refer to **Volume 1, Section 10 and Volume 2, Appendix 5 and 6 of the EIS** for information on odour, dust and bioaerosols emissions at the site.

E.2 Emissions to Surface Waters

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

E.2 Emissions to Surface Waters

There will be no emissions to surface water at the proposed site. All surface water run-off from the composting slab is collected and recirculated back into the windrows to maintain moisture. Refer to **Volume 1, Section 8 of the EIS** for information on surface water collection and **Attachment D.1.K**.

E.3 Emissions to Sewer

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

Attachment E.3

Refer to **Attachment D.1.K** for information on emissions to sewer.

E.4 Emissions to Groundwater

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

Table E.4(i) should be completed, as relevant, for each source. Supporting information should form **Attachment E.4**

Attachment E.4

There will be no emissions to groundwater. Refer to **Volume 1, Section 7 of the EIS** for information on Groundwater and mitigation measures for protection of groundwater.



WASTE Application Form

E.5 Noise Emissions

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

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

Supporting information should form Attachment E.5

Attachment E.5

Refer to Volume 1, Section 11 of the EIS for information on Noise emissions and mitigation measures proposed.

E.6 Environmental Nuisances

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

TABLE E.6 ENVIRONMENTAL NUISANCES

Table with 5 columns: Nuisance Type, Control Method, yes, no, not applicable. Rows include Bird Control, Dust Control, Fire Control, Litter Control, Traffic Control, Vermin Control, and Road Cleansing.



WASTE Application Form

Attachment E.6

Road Cleansing

Waste delivery trucks are expected to be clean and not cause any significant nuisance to the cleanliness of roads during transportation. The tipping area where vehicles will deposit waste is a concreted area in the waste reception building and will be kept clean at all times. If required, washing down of vehicles, on entering and exiting the premises, will be carried out with a powerhose, which will be located adjacent to the tipping area, to prevent mud from being carried out on to access roads. In addition a water-spray will be applied to the site access road if required during dry weather to augment dust suppression – to be carried out using a tractor drawn water-tank with wide spray-bar attached.

For information on other environmental nuisance controls listed in Table E.6 above refer to **Volume 1, Section 13.7 of the EIS**

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

SECTION F CONTROL & MONITORING**F.1: Treatment, Abatement and Control Systems**

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

For each Emission Point identified complete Table F.1 of the Annex, and include detailed descriptions and schematics of all abatement systems.

Attachment F.1 should contain any supporting information.

Attachment F.1**Techniques/ Installations for Reducing Odour**

- In-Vessel Composting Units
- Waste Reception Building
- Mist Air System
- Pallisade fencing
- Screening around the composting slab
- Wind break mesh 50:50 agroclad mesh

Refer to **Volume 1, Section 10.3 of the EIS** for more detailed information on proposals to reduce odour at the site.

Techniques/ Installations for Reducing Dust

Refer to **Volume 1, Section 10.4 of the EIS** for more detailed information on proposals to reduce Dust at the site.

Techniques/ Installations for Reducing Bioaerosols

Refer to **Volume 1, Section 10.5 of the EIS** for more detailed information on proposals to reduce Bioaerosols at the site.

Techniques/ Installations to Reduce Emissions to Ground Water and Surface Water

Refer to **Volume 1, Section 7 and Section 8 of the EIS** for more detailed information on proposals to reduce Emissions to Ground Water at the site. Information is also contained in **Attachment D.1.K**.

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

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

Include details of monitoring/sampling locations and methods.

F.2 Air

- to include Dust, Odour

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

Attachment F.2

The monitoring programme for dust, PM10 and bioaerosols at the proposed facility is outlined in the table below.

Parameters	Monitoring Locations	Monitoring Frequency	Analytical Methods
Dust (mg/m ² /day)	DG1, DG2, DG3, DG4	Three times annually	Standard Method - VDI2119
PM ₁₀ (um/m ³)	DG1, DG2, DG3, DG4	Annually	Standard Method
<i>Aspergillus fumigatus</i>	B1, B2, B3, B4, B5, B6, B7, B8	Annually	Grab Samples
Mesophilic bacteria	B1, B2, B3, B4	Annually	Grab Samples

The proposed monitoring points for Dust and Bioaerosols are those identified on Fig 10.1 and 10.2 respectively in **Volume 1, Section 10 of the EIS.**

F.3 Surface Water

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

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

Attachment F.3

It is not deemed necessary to carry out surface water monitoring at this time as only rain water from the main shed flows into the open ditch along the site entrance. When the site is entirely upgraded surface water will flow along a gradient into the paddock where it will naturally infiltrate.

F.4 Sewer Discharge

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

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

Attachment F.4

Foul water from the office building is piped to a septic tank with a percolation area within the site boundary of the facility. This will be only domestic foul water from sinks, WC, shower. The tank and piping will be inspected and maintained regularly. Because of this no monitoring for foul water emissions is proposed.

F.5 Groundwater

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

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

Attachment F.5

As there are no boreholes in use on the site there will be no monitoring for groundwater required. However, if it is decided to use the ground water abstraction point as seen on Drawing DG0003A02 Appendix A, the EPA will be advised and monitoring carried out according to the requests of the agency.

F.6 Noise

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

Attachment F.6

The proposed monitoring programme for noise emissions at the facility is outlined in the table below. The location of proposed monitoring points at the site can be seen on **Figure 11.1 in Volume 1, Section 11 of the EIS.**

Proposed Noise Monitoring

Parameter	Monitoring Location Note 1	Monitoring Frequency Note 2	Analytical Methods Note 3
L (A) _{EQ} [30 minutes]	N1, N2, N3, N4	Annually	Standard
L (A) ₁₀ [30 minutes]	N1, N2, N3, N4	Annually	Standard
L (A) ₉₀ [30 minutes]	N1, N2, N3, N4	Annually	Standard
Frequency Analysis (1/3 Octave band analysis)	(a) N1, N2, N3, N4	Annually	Standard

Note 1: N1 North Western Boundary of Site at corner of Composting Slab
 N2 Northern Boundary of Site at Composting Slab
 N3 South Eastern boundary of site at Paddock
 N4 At Site Entrance

Note 2: To be carried out for both daytime and night time operations.

Note 3: International Standards Organisation ISO 1996. Acoustics- description and measurement of environmental noise. Parts 1, 2 and 3.

F.7 Meteorological Data

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

Attachment F.7

It is proposed to keep daily records of meteorological conditions at the site by consulting with the Met Office and obtaining details on the current meteorological conditions such as wind direction, stability classes, wind speed etc relevant to the Wilkinstown area.

SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

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

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

Attachment G.1

The following table gives details of the type and quantity of material used at the Organic Gold Facility.

Materials Used at the OGF (refer to Attachment G.1 overleaf for MSDS Sheets – these are supplied where MSDS exist for the material)

Material	Usage
Water	Maximum 64,000 l/year
Electricity	60,000 units (KWh)
Diesel Fuel	~11,200 l/year
Degreaser	150 l/year
Wetting Agent	1 Kg
Ferro sulphate	1 Kg
Milorginite	1 Kg
Peat from Bord na Mona	2,200 m ³
Silica Sand	200 tonnes per year
Inorganic Chemicals	Approx 500 tonnes
Calcified Sea Weed	30 tonne
Kelp Sea Weed	Approx 2 tonnes
Lignite	20-30
Deodouriser in Mist System	Maximum 25 litres /day

Lignite

Mined in Antrim and is blended with the retail compost to produce a soil improver. Trials are ongoing with this product to see if they could produce a peat free compost which would be environmentally sound and sustainable than the use of the finite source such as peat for blending with the compost.

Water Usage

All water used on site is currently taken from a shallow surface water well owned by Organic Gold (Marketing) Ltd. However, Organic Gold is awaiting to be connected up to the main water supply. 100mm Class II water mains will run from the site entrance and supply the facility.

Water will be required on site mainly for supplying the mist air system, and for general consumption in the site office. During periods of very dry weather some fresh water may be needed for wetting of the windrows, however, leachate will primarily be used for this purpose.

In case of a fire on site water will also be required. Fire hydrants will be installed near the car parking area at the corner of the office building and one in the composting slab area to protect against any potential fires on site. Water will also be required for the wheel wash area for washing trucks leaving the site and preventing debris from being carried out onto access roads.

The misting system will use a maximum of 46,000l/day if in full operation. i.e. all four sides of the system will be in operation. Employees and miscellaneous usage will use a maximum of 20,000 l/day. Therefore on a daily basis it is estimated that the maximum waste usage on the site will be approximately 66,000 litres of water. However, average consumption is expected to be far below this.

Diesel Fuel

Only diesel fuel is used on the site. It is envisaged that approximately **11,200 litres** of diesel will be consumed on an annual basis.

Cleaning Agents

Degreaser – 150l/year

Electricity

An estimated annual electricity usage of 60,000 units is estimated based on current consumption.


Ferro sulphate is used as a fertiliser blender.

Wetting agents

Wetting agents are sometimes used in the finished product to ensure water spreads evenly through the media giving a good even moisture profile. This will avoid wet and dry spots and hence produce a better quality product to be used as growing media.

Milorganite is basically dried sludge which acts as a simple fertiliser when mixed with the compost. It aids plant uptake of nutrients when they begin germinating.

CALCIUM AMMONIUM NITRATE.

	SAFETY DATA SHEET	CODE: DS - 014 - 1
	CAN / CAN + MgO	EDITION: 1
		DATE: 25/03/2002
		PAGE: 1 / 10

CALCIUM AMMONIUM
NITRATE

CONTENTS

- 1 - IDENTIFICATION OF THE PRODUCT AND THE COMPANY
- 2 - COMPOSITION / INFORMATION ON INGREDIENTS
- 3 - HAZARDS IDENTIFICATION
- 4 - FIRST - AID MEASURES
- 5 - FIRE - FIGHTING MEASURES
- 6 - ACCIDENTAL RELEASE MEASURES
- 7 - HANDLING AND STORAGE
- 8 - EXPOSURE CONTROL PERSONAL PROTECTION
- 9 - PHYSICAL AND CHEMICAL PROPERTIES
- 10 - STABILITY AND REACTIVITY
- 11 - TOXICOLOGICAL INFORMATION
- 12 - ECOLOGICAL INFORMATION
- 13 - DISPOSAL CONSIDERATIONS
- 14 - TRANSPORT INFORMATION
- 15 - REGULATORY INFORMATION
- 16 - OTHER INFORMATION

DIR. DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED: DDAQS	APROVED: ADMINISTRAÇÃO
--	-----------------------------------	--

	SAFETY DATA SHEET CAN / CAN + MgO	CODE: DS - 014 - I EDITION: 1 DATE: 25/03/2002 PAGE: 2 / 10
--	--	--

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

DESIGNATION: CAN / CAN + MgO

COMPANY: ADP - ADUBOS DE PORTUGAL, S.A.
 ESTRADA NACIONAL 10 - APARTADO 88
 2615 - 909 ALVERCA
 ☎ (351) 210300400 **FAX:** (351) 210300500

EMERGENCY CALLS:

Company phone ☎ (351) 210300400

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL DESIGNATION : CAN / CAN + MgO

Mixture of ammonium nitrate with calcium carbonate and/or dolomite containing not more than 80% of ammonium nitrate, not less than 20% N, and not more than 0.4% of total combustible material.

CLASSIFICATION: Not classified as hazardous material according to EEC Directive 88/379/EEC

3. HAZARDS IDENTIFICATION

This fertilizer is a basically harmless product when handled correctly. However the following points should be noted which relate to ammonium nitrate content.

DIR. DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED: DDAQS	APROVED: ADMINISTRAÇÃO
--	--	---

	SAFETY DATA SHEET CAN / CAN + MgO	CODE: DS - 014 - I EDITION: 1 DATE: 25/03/2002 PAGE: 3 / 10
--	--	--

Skin contact - Prolonged contact may cause some irritation.

Eye contact - May cause irritation following contact.

Ingestion - Small quantities are unlikely to cause toxic effect.
 - Large quantities may give rise to gastro-intestinal disorders and in extreme cases (particularly in very young) formation of methaemoglobin ("blue baby" syndrome) and cyanosis (indicated by blueness around the mouth) may occur.

Inhalation - High dust concentrations of airborne material may cause irritation of the nose and upper respiratory tract with symptoms such as sore throat and coughing.

Long term effects - No adverse effects are known

Fire and thermal decomposition products - Inhalation of decomposition gases containing oxides of nitrogen and ammonia can cause irritation and corrosive effects on the respiratory system. Some lung effects may be delayed.

Environment - Ammonium nitrate is a nitrogen fertilizer. Heavy spillage may cause adverse environmental impact such as eutrophication in confined surface waters or nitrate contamination (See section 12)

Other (Fire, heating and detonation) - the fertilizer is not itself combustible but it can support combustion, even in the absence of air. On heating it melts and further heating can cause decomposition, releasing toxic fumes containing nitrogen oxides and ammonia. It has high resistance to detonation. Heating under strong confinement can lead to explosive behaviour.

DIR. DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED: DDAQS	APROVED: ADMINISTRAÇÃO
--	--	---

	SAFETY DATA SHEET CAN / CAN + MgO	CODE: DS -- 014 - I EDITION: 1 DATE: 25/03/2002 PAGE: 4 / 10
--	--	---

4. FIRST-AID MEASURES

Product:

Skin contact - Wash the affected area with soap and water.

Eye contact - Flush / irrigate eyes with copious amounts of water for at least 10 minutes.
- Obtain medical attention if eye irritation persists.

Ingestion - Do not induce vomiting.
- Give water or milk to drink.
- Obtain medical attention if more than a small quantity has been swallowed .

Inhalation - Remove from source of exposure to dusts.
- Obtain medical attention if ill effects occur.

Fire and decomposition products:

Skin contact - Wash areas in contact with molten material copiously with cold water.

Inhalation - Remove from the source of exposure to fumes
- Keep warm and at rest even though no symptoms may be evident
- Give oxygen, especially if there is blueness around the mouth
- Artificial respiration should only be applied if breathing fails
- Following exposure, the person should be kept under medical review for at least 48 hours as delayed pulmonary oedema may develop.

DIR. DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED: DDAQS	APROVED: ADMINISTRAÇÃO
--	--	---

	SAFETY DATA SHEET CAN / CAN + MgO	CODE: DS-014-Y EDITION: 1 DATE: 25/03/2002 PAGE: 5 / 10
--	--	--

5. FIRE-FIGHTING MEASURES

If fertilizer is not directly involved in the fire:

- Use the best means available to extinguish the fire

If fertilizer is involved in the fire:

- Call the fire brigade
- Avoid breathing the fumes (toxic), Stand up-wind of the fire.
- Use plenty of water.
- Do not use chemical extinguisher or foams or attempt to smother the fire with steam or sand.
- Open doors and windows of the store to give maximum ventilation
- Do not allow molten fertilizer to run into drains
- Prevent contamination of the fertilizer by oils or other combustible materials.
- If water containing fertilizer enters any drains or watercourse, inform the local authorities immediately

Consent of EPA for purposes only for any other use.

6. ACCIDENTAL RELEASE MEASURES

- Any spillage of the fertilizer should be cleaned up promptly and placed in a open container for safe disposal. Do not allow to mix with sawdust and other combustible or organic substances
- Depending on the degree and nature of contamination, dispose of by use on farm as a fertilizer by spreading or to an authorised waste facility.
- Take care to avoid the contamination of watercourses and drains and inform appropriate authority in case of accidental contamination of watercourses.

DIR. DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED: DDAQS	APROVED: ADMINISTRAÇÃO
--	--	---

	SAFETY DATA SHEET CAN / CAN + MgO	CODE: DS-014-I EDITION: 1 DATE: 25/03/2002 PAGE: 6 / 10
--	--	--

7. HANDLING AND STORAGE

Handling - Avoid excessive generation of dust.

- Avoid contamination of the fertilizer by combustible (e.g. diesel oil, grease) and incompatible materials.
- Avoid unnecessary exposure to the atmosphere to prevent moisture pick-up.
- When handling the product over long periods use appropriate personal protective equipment.

Storage

- Locate away from sources of heat or fire.
- Keep away from combustible materials
- On farm, ensure that the fertilizer is not stored near hay, straw, grain, diesel oil, etc.
- Do not permit smoking and the use of naked lights in the storage areas.
- Restrict stack size (according to local regulation) and keep at least 1 m distance between stacks of bagged products
- Any building used for the storage should be dry and well ventilated.
- The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational exposure limits

> No specific official limits

ACGIH: recommended value (1995-86) for inhalable particulate

TLV / TWA: 10 mg / m³

Precautionary and engineering measures

DIR: DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED: DDAQS	APROVED: ADMINISTRAÇÃO
--	--	---

	SAFETY DATA SHEET CAN / CAN + MgO	CODE: DS-014-1 EDITION: 1 DATE: 25/03/2002 PAGE: 7/10
--	--	--

➤ Avoid high dust concentration and provide ventilation where necessary

Personal protection

- Wear suitable gloves when handling the product over long periods.
- Use suitable dust respirator if dust concentration is high.
- After handling product, wash hands and observe good hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** ⇔ White, off-white or grey granules or prills
- ODOUR** ⇔ Odourless
- pH WATER SOLUTION (100 g/l)** ⇔ 4.5
- EXPLOSIVE PROPERTIES** ⇔ Not explosive as per EEC test A 14 (87/548/EEC). The fertilizer has a very high resistance to detonation. This resistance is decreased by the presence of contaminants and/or high temperatures. Strong heating under severe confinement (e.g. in tubes) may lead to a violent reaction or explosion especially if there is contamination by some of the substances mentioned under section 10.
- OXIDIZING PROPERTIES** ⇔ Not classified as oxidizing material according to Directive 88/379/EEC
Can support combustion
- BULK DENSITY** ⇔ Normally between 900-1100 g/cm³
- SOLUBILITY IN WATER** ⇔ NH₄NO₃ Highly soluble

DIR. DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED: DDAQS	APROVED: ADMINISTRAÇÃO
--	--	---

	SAFETY DATA SHEET CAN / CAN + MgO	CODE: DS - 014 - I EDITION: 1 DATE: 25/03/2002 PAGE: 8 / 10
--	--	--

CaCO₃/MgCO₃ sparingly soluble
Product hygroscopic

10. STABILITY AND REACTIVITY

Stability

- The product is stable under normal conditions of storage, handling and use

Condition to avoid

- Storage in warm place or in sunlight.
- Heating above 170°C (decomposes to gases).
- Contamination by incompatible materials
- Unnecessary exposure to the atmosphere
- Closeness to sources of heat or fire
- Welding or hot work on equipment or plant which may have contained fertilizers without first washing thoroughly to remove all fertilizers

Materials to avoid

Combustible materials, reducing agents, acids, alkalies, sulphur, chlorates, chlorides, chromates, nitrites, permanganates, metallic powders and substances containing metals such as copper, nickel, cobalt, zinc and their alloys.

Hazardous reactions/decomposition products

When in contact with alkaline materials such as lime, may give off ammonia gas (see also section 3 and 9)

11. TOXICOLOGICAL INFORMATION

- See section 3.

LD 50 (oral, rat): > 2000 mg/Kg (may cause methaemoglobinaemia. See section 3)

DIR. DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED:	APROVED:
	DDAQS	ADMINISTRAÇÃO.

	SAFETY DATA SHEET CAN / CAN + MgO	CODE: DS-014-I EDITION: 1 DATE: 25/03/2002 PAGE: 9 / 10
--	--	--

12. ECOLOGICAL INFORMATION

- Ammonium Nitrate is very soluble in water. The NO_3 ion is mobile. The NH_4 ion is adsorbed by soil. Limestone and dolomite are regarded as insoluble in water. They occur naturally
- The nitrate ion is the predominant form of plant nutrition. It follows the natural nitrification / denitrification cycle to give nitrogen.
- The product does not show any bio-accumulation phenomena
- Low toxicity to aquatic life, TLM 98 between 10-100 ppm

13. DISPOSAL CONSIDERATIONS

- Depending on degree and nature of contamination, dispose of by use as fertilizer on farm or to an authorised waste facility.

14. TRANSPORT INFORMATION

ADR: Not classified

IMDG: Not classified

Not classified i.e. considered non-hazardous material according to UN Orange Book and international transport codes e.g. RID (rail), ADR (road) and IMDG (sea)

15. REGULATORY INFORMATION

EC Directives

- 76/118/CEE

DIR. DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED: DDAQS	APROVED: ADMINISTRAÇÃO
--	-----------------------------------	--

	SAFETY DATA SHEET CAN / CAN + MgO	CODE: DS-014-1 EDITION: 1 DATE: 25/03/2002 PAGE: 10 / 10
--	--	---

16. OTHER INFORMATION

REFERENCES:

- G.WEISS, Hazardous Chemicals Data Book, 2 nd Edition.
- N. IRVING SAX, Dangerous Properties of Industrial Materials, 1960
- ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road, 1996
- IMDG - International Maritime dangerous Goods Code, 1989
- EFMA Safety Data Sheet, 30.09.1994

The information in this Data Sheet is given in good faith and belief in its accuracy based on our knowledge of the substance/preparation concerned at the date of publication. It does not imply the acceptance of any legal liability or responsibility whatsoever by the Company for the consequences of its use misuse in any particular circumstances

DIR. DESENVOLVIMENTO, AMBIENTE, QUALIDADE E SEGURANÇA	ELABORATED: DDAQS	APROVED: ADMINISTRAÇÃO
--	--	---



Safety data-sheet (2001/58/EC)

Printed 30.08.2002
Revision 29.08.2002 (GB) Version 4.0
Muriate of Potash 'granular'

1. Identification of the substance/preparation

Name of product	Muriate of Potash 'granular'
Manufacturer/distributor	K+S KALI GmbH Bertha-von-Suttner-Str. 7, D-34131 Kassel Postbox 10 20 29, D-34111 Kassel Phone +49 561 9301-0, Fax +49 561 9301-1763
Advice	Abt. ZU Phone +49 561 9301-1604 Fax +49 561 93854-5095
Emergency advice	Abt. ZU Phone +49 561 9301-1604
Recommended intended purpose(s)	Fertilizer
Effect of the substance / the formulation	Plant nutrient

2. Composition/information on ingredients

CAS-No. 007447-40-7 Potassium Chloride (KCl)

Additional advice

May contain anti-dusting additives in very small quantities.

Designation according to EC Fertilizer-Directive 76/116/EEC and supplementary directives:
Muriate of Potash 80

3. Special hazards information for man and environment

R-phrases
not applicable

Special hazards information for humans and environment
no

4. First aid measures

General information

In the event of persistent symptoms receive medical treatment.

In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with water.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.

In case of ingestion

Rinse out mouth thoroughly with water.



Safety data-sheet (2001/58/EC)

Printed 30.08.2002
Revision 29.08.2002 (GB) Version 4.0
Murlata of Potash 'granular'

5. Fire-fighting measures

Suitable extinguishing material

Product does not burn, fire-extinguishing activities according to surrounding.

Extinguishing material that may not be used for safety reasons

no

Special exposure hazards arising from the substance, combustible products or resulting gases

In case of fire formation of dangerous gases possible.

Hydrogen chloride (HCl)

Special protective equipment for firefighters

Do not inhale explosion and/or combustion gases.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

Personal precautions

Avoid dust formation.

Environmental precautions

Do not discharge into the drains or bodies of water..

Methods for cleaning up/taking up

Avoid dust formation.

Disposal according to regulations.

Flush away residues with water.

Take up mechanically and send for disposal.

Additional information

Informations for safe handling look up chapter 7.

Informations for personal protective equipment look up chapter 8.

Informations for disposal look up chapter 13.

7. Handling and storage

Advice on safe handling

No special measures necessary if used correctly.

Take the usual precautions when handling with chemicals.

Advice on protection against fire and explosion

The product is not combustible.

No special measures necessary.

Requirements for storage rooms and vessels

No special measures required.

Advice on storage compatibility

Keep at a distance of strong acids.

Keep away from water.

Further information on storage conditions

Store in a dry place.

Storage group 13

Information on storage stability

Unlimited stability.

**Safety data-sheet (2001/58/EC)**

Printed 30.08.2002

Revision 28.08.2002 (GB) Version 4.0

Muriate of Potash 'granular'

8. Exposure controls / personal protection**Additional advice on system design**

no

Respiratory protection

In case of dust formation wear micro dust mask.

Hand protection

Rubber gloves

Eye protection

tightly fitting goggles

Skin protection

no

General protective measures

no

Hygiene measures

Do not eat or drink when working.

Brush soiled clothing.

After work wash thoroughly.

9. Physical and chemical propertiesForm
granulesColour
whiteOdour
odourless**Data relevant for safety:**

	Value	Temperature	at	Method	Remark
pH value in delivery state	7	20 °C	342 g/l	DIN 38404-6	neutral
boiling point	1411 °C				Ref. (1)
melting point	770 °C				Ref. (1)
Flash point	not applicable				
Flammable solid	no				
Combustion temperature	no				
Autoignition	no				
Vapour pressure	1.5 Torr	700 °C		static	Ref. (1)
Density	1,989 g/cm ³	20 °C	1013 hPa		Ref. (1)
Bulk density	1000-1200 kg/m ³				
Solubility in water	342 g/l	20 °C	1013 hPa		Ref. (1)

**Safety data-sheet (2001/58/EC)**

Printed 30.08.2002

Revision 29.08.2002 (GB) Version 4.0

Muriate of Potash 'granular'

	Value	Temperature	at	Method	Remark
Solubility/other	abl. 0,52 % weight	25 °C		methanol	Ref. (1) soluble in alcoholes
Partition coefficient (log p_{OW})	not determined				
Combustion value	1				
Oxidizing properties	no				
Explosive properties	no				
Additional information	Physical dates refer to pure product.				

10. Stability and reactivity**Conditions to avoid**
Corrosive to metals.**Materials to avoid**HCl, Cl₂

Reactions with strong acids.

Reactions with strong oxidising agents.

Evolution of toxic gases/vapours.

Hazardous decomposition products

No hazardous decomposition products known.

11. Toxicological information**Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
LD 50 acute oral	2600 mg/kg	rat		Ref. (2)
LD 50 acute dermal	not determined			
LC 50 acute inhalation	not determined			
Irritability skin	no			experiences
Irritability eye	no			experiences
Sensitization skin	no			experiences
Sensitization respiratory system	no			experiences



Safety data-sheet (2001/58/EC)

Printed 30.08.2002

Revision 29.08.2002 (GB) Version 4.0

Muriate of Potash 'granular'

Toxicity test (Additional information)

No experimental indication of genotoxic effects.
Substance has no mutagen activity (Ames test).

Additional Information

Toxicol data refer to pure product.

Our data do not cover total texture toxic judgement. Follow the usual hygienic directives for handling with chemicals.

12. Ecological Information

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	Inorganic product, cannot be eliminated from the water by biological purification processes.		not applicable	
Biological degradability	Inorganic product, cannot be eliminated from the water by biological purification processes.		not applicable	
Degradability	Inorganic product, cannot be eliminated from the water by biological purification processes.		not applicable	
Biological eliminability	Inorganic product, cannot be eliminated from the water by biological purification processes.		not applicable	

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 2300 mg/l (48 h)	Golden orfe	DIN 38412 part 31	Ref. (3)
Daphnia	EC50 825 mg/l (48 h)	Daphnia magna	DIN 38412 part 11	Ref. (3)
Algae	EC50 2800 mg/l (72 h)	Scenedesmus subspicatus	DIN 38412 part 33	Ref. (3)
Bacteria	EC20 > 9,5 g/l (5 min)	Photobacterium phosphoreum	DIN 38412 part 8	Ref. (3)

Behaviour in sewage plant

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

Additional ecological information

	Value	Method	Remark
AOX	not applicable		

General regulation

Product is not allowed to discharge into aquatic environment.



13. Disposal considerations

Waste code No.	Name of waste
02 01 09	agrochemical waste other than those mentioned in 02 01 08
08 03 14	solid salts and solutions other than those mentioned in 08 03 11 and 08 03 13

Recommendations for the product

In accordance with regulations for special waste, must be taken, after pretreatment, to an authorised special waste disposal site.

Recommendations for packaging

Uncontaminated packaging may be taken for recycling.
Totally emptied packaging may be taken for recycling.

14. Transport information

Land and inland navigation transport (ADR/RID/GGVS/GQVE/AONR)

Remarks

No hazardous material as defined by the prescriptions.

Transport/further informations

no

15. Regulatory information

Remarks for classification

no

R-phrases

not applicable

S-phrases

not applicable

Special labelling for certain preparations

no

National regulations

Restriction of occupation

no

Decree for case of interference/remarks

not applicable

Classification according to VbF/remarks

VbF: is not subject to decree for compostible liquids.

German TA LUFT remarks

not applicable

Water hazard class

1 KBwS-classification

Other regulations, restrictions and prohibition regulations

no



Safety data-sheet (2001/58/EC)

Printed 30.08.2002

Revision 29.08.2002 (GB) Version 4.0

Muriate of Potash 'granular'

16. Other information

Recommended uses and restrictions

no

Further information

The information contained herein is based on our present knowledge and is not meant to guarantee product properties. Recipients of our product must take responsibility for observing existing laws and regulations. Refer to product information paper.

All declarations of safety-data-sheet refer to pure substance.

CAS-No. refers to pure substance.

Sources of key data used

Ref. (1): Gmelins Handbuch der Anorganischen Chemie, System-Nr. 22, Verlag Chemie Berlin, 8. Auflage

Ref. (2): Sbornik Vysledku, Toxikologickeho Vyzetreni Latek A Prinpravku, p. 8, 1972

Ref. (3): Data sheet No. 230, Kommission Bewertung wassergefährlicher Stoffe, Bundesgesundheitsamt, P. O. Box 330013, D-14191 Berlin, 1992

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