

Form IPPC Part B: Application for a New Permit



For MEPA use only

Application reference:

Use this part of the form if you are applying for a new permit.
Please read carefully Appendix I attached with this application.

B1 About the installation

Please fill in the installation table below with details of all the activities and operators at the whole installation, even if you are applying for a permit in respect of only part of the installation.

In **Column 1: Activities in "the stationary technical unit"**, please identify all activities listed in Schedule 1 to the IPPC Regulations that are proposed to be carried out in the "stationary technical unit" of the installation.

For **Directly associated activities**, please identify any directly associated activities proposed to be carried out on the same site which:

- have a technical connection with the activities in the stationary technical unit; and
- could have an effect on pollution.

In **Column 3: Operator**, write the name of the operator for each activity (if you are the operator yourself, write "Applicant").

B1.1 Installation table for new permit application

COLUMN 1

Activities in the "stationary technical unit"

Refining and transesterification of oils and fats.

COLUMN 2

Schedule 1 references

COLUMN 2

Operator

Applicant.

Directly associated activities

B1.2 Non-technical description

Please provide a non-technical description of the proposed installation activities.

Document reference number:

POLLUTION PREVENTION
& CONTROL UNIT

28 MAY 2008

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B1.3 Why is the application being made?

- ☐ the installation is new;
- ☒ it is an existing installation and you have the agreement of MEPA to make this application now. Please attach proof of this agreement, such as a letter from MEPA;

Document reference number for proof:

- ☐ it is an existing installation for which a 'substantial change' is proposed;
- ☐ it is for a mobile plant being moved to a new location.

B1.4 Site maps and reports

Please provide:

B1.4.1

A site report, providing a history of the site and describing the condition of the site of that part of the installation in respect of which you are applying for a permit, and, in particular, identifying any substance in, on or under the land which may constitute a pollution risk.

Document reference number for the report:

B1.4.2

A suitable map (or maps) showing the location of the site of the installation, and the area of the site covered by the site report and which an IPPC permit is being applied for. The outline of the site should be clearly marked in colour, and the surroundings of the site should be included in the map.

Document reference number for map(s):

B1.4.3

Suitable block plans, properly labelled, showing the location and nature of the various activities being proposed on that site.

Document reference number for plans:

All maps and plans submitted shall be to scale, using a scale rule.

Please provide written information about the aspects of your installation listed below. We need this information, and that which you give in response to B3 and B4, to determine whether you will operate the installation in a way which meets all the environmental requirements of the IPPC Regulations.

In each case you should:

- address all of the issues set out in each question;
- justify your proposals against any indicative requirements contained in the relevant BREF guidance notes; and
- provide any other information about the installation which you think is relevant to that issue.

B2.1 Environmental Management System

Provide details of your proposed management techniques and environmental management system (EMS). An EMS can take the form of a standardised system (e.g. EN ISO 14001:1996; EMAS) or a non-standardised ("customised") system, provided that is properly designed and implemented.

Document reference number:

B2.2 Raw materials

Identify the raw and auxiliary materials, other substances and water that you propose to use. Give details of quantities proposed to be used annually and submit respective MSDS sheets.

Document reference number:

B2.3 Proposed activities

Describe the proposed installation activities.

Include the proposed techniques and measures to prevent and reduce waste and emissions of substances and heat (including during periods of start-up or shut-down, momentary stoppage, leak or malfunction).

Submit a flow diagram summarising the proposed installation activities.

Document reference number:

B2.4 Maintenance

Provide a proposed maintenance programme for the installation, and a template for keeping records of maintenance.

Document reference number:

B009

B2.5 Energy

B2.5.1: Provide a breakdown of the proposed annual energy consumption, highlighting the main energy-consuming equipment, and generation by source and end-use (including information on energy generated on site, if applicable).

Document reference number:

B010

B2.5.2: Describe the proposed basic measures for improvement of energy efficiency.

Document reference number:

B011

B2.6 Water

Provide a breakdown of the proposed annual water consumption by source and end-use.

Document reference number:

B012

B2.7 Risk assessment

Describe the documented system proposed to be used to identify, assess and minimise the environmental risks and hazards of accidents and their consequences.

Document reference number:

B013

B2.8 Training

Please submit a proposal for a training programme and a proposed template for keeping training records. Please submit the name of the technically competent person on site who will be responsible for such training.

Document reference number:

B014

B2.9 Cessation

Describe the proposed measures upon definitive cessation of activities, to avoid any pollution risk and return the site of the installation to a satisfactory state (including relevant measures for the design and construction of the installation).

Document reference number:

B015

B2.10 Multi-operator installations

Where you are not the only operator of the installation, describe the proposed techniques and measures (including those to be undertaken jointly by yourself and other operators) for ensuring satisfactory operation of the whole installation.

Document reference number:

B016

B3 Your proposed emissions

In response to the following questions, please provide written information about the emissions which will result from the techniques you described in response to the questions in section B2.

You should also provide any other information about the installation which you think is relevant to that issue.

B3.1 Waste

B3.1.1: Characterise (using the European Waste Catalogue code – Schedule 1 of LN 337 of 2001) and quantify each waste stream from the installation.

Document reference number:

B017

B3.1.2: Describe the proposed measures for waste management, storage and handling.

Document reference number:

B018

B3.1.3: Describe how each waste stream is proposed to be recovered or disposed of and, if you propose any disposal, explain why recovery is technically and economically impossible and describe the measures planned to avoid or reduce any impact on the environment.

Document reference number:

B019

B3.2 Emissions to Groundwater

Identify if there may be a discharge of any List I or List II substance, and if any are identified, explain how the requirements of the Groundwater Regulations (LN 203 of 2002) have been addressed.

Document reference number:

B020

B3.3 Emissions to Sewer

B3.3.1: Does the installation have (or is proposing to have) a sewer connection?

Yes ☐ No ☐

If yes, please submit a block plan of the site showing the proposed discharge point.

Document reference number:

B021

B3.3.2: Does the installation have a Sewer Discharge Permit?

Yes ☐ No ☐

If yes, please submit a copy of the permit, or of the submitted application, if the permit has not been issued yet.

Document reference number:

B022

B3.3.3: Could the installation involve the release of any Schedule A or Schedule B substance into the sewers?

Yes ☐ No ☐

If yes, explain how the requirements of LN 139 of 2002 have been addressed.

Document reference number:

B023

B3.4 Emissions to the Sea

Identify if there may be a direct discharge of any List I or List II substance to coastal (up to 1 nautical mile from the coast line) or territorial waters.

Yes ☐ No ☐

If any are identified, explain how the requirements of the Discharge of Dangerous Substances Regulations (LN 213 of 2001) have been addressed.

Document reference number:

B024

In addition, please submit a block plan of the site, showing the proposed discharge point to the sea.

Document reference number:

B025

B3.5 Emissions to Air

Identify if there may be emissions of substances to air.

Yes ☐ No ☐

If any are identified, submit details of each emission point, the nature and the proposed quantities of substances emitted from each point. A block plan of the site showing each emission point should be submitted.

Document reference number:

B026

B3.6 Emissions to Land

Identify if there may be emissions of substances to land.

Yes ☐ No ☐

If any are identified, submit details of the nature and the proposed quantities of substances emitted to land, as well as a map showing the proposed location of such emissions.

Document reference number:

B027

B3 Your proposed emissions *continued*

B3.7 Noise

Describe:

B3.7.1: The main sources of noise and vibration (including infrequent sources) of the proposed installation;

B3.7.2: The proposed techniques and measures for control of noise;

B3.7.3: The nearest noise sensitive locations and distance away from the site (a site map may be submitted for this purpose); and

B3.7.4: Relevant environmental noise measurement surveys which have been undertaken (using a standard methodology such as BS4142).

Document reference number:

B028

B3.8 Monitoring

Describe the proposed measures for monitoring emissions including any environmental monitoring. The following must be specified:

B3.8.1: The location of each proposed monitoring point (plotted on a suitably-labelled block plan of the site);

B3.8.2: The substances (in each environmental medium) which are proposed to be monitored;

B3.8.3: The frequency with which monitoring is proposed to take place;

B3.8.4: The proposed measurement methodology, which should be a standard methodology, such as EN or ISO standard, or equivalent;

B3.8.5: The proposed procedure for evaluation of the results.

Document reference number:

B029

B3.9 Summary

By means of a mass flow diagram, summarise the emissions and waste described in sections B3.1, B3.2, B3.3, B3.4, B3.5, and B3.6 of this application.

Document reference number:

B030

B4 Impact on the environment

Please provide written information about the impact your emissions may have on the environment.

You should:

- address all of the issues set out in the section;
- justify your proposals;
- provide any other information about the installation which you think is relevant to that issue.

B4.1 Environmental effects

Provide an assessment of the potential significant environmental effects (including transboundary effects) of the foreseeable emissions.

Document reference number:

B031

B4.2 Effects on other sites

Provide an assessment of whether the installation is likely to have a significant effect on another site in Malta and, if it is, provide an assessment of the implications of the installation for that site.

Document reference number:

B032

B5 Environmental statements

B5.1 Environmental statement

Has the development of the installation (or any subsequent change or extension of the development) required an environmental statement (EIS or EPS) under LN 204 of 2001 on the assessment of the effects of certain public and private projects on the environment?

Yes ☐ No ☒

If yes, please supply a copy of the environmental statement submitted and details of any decision made.

Document reference number:

B033

B6 Statutory consultees

We will use the information in this section to identify who we must consult about your proposals.

B6.1 Local council

In which area is the installation located? If premises are on a boundary please give the names of all the relevant authorities.

MARSA

*

B6.2 Other sites

Are there any other sites which may be affected by emissions from the installation? (Refer also to your answer to B4.2).

Yes ☐ No ☒

If yes, please give the names of the sites:

B6.3 Port Authority

Could the installation involve the release of any substance into a harbour managed by a port authority?

Yes ☐ No ☒

If yes, please name the port authority:

B7 Specified waste management activities

B7.1 Specified waste management activities

Are you applying to operate any 'specified waste management activities'? (i.e. activities listed in "Section 5: Waste management" of Schedule 1 of the IPPC Regulations).

Yes ☐ No ☒

If no, go to "B8: What to do next".

If yes, please give details below (and continue answering the questions in section B7).

B7.2 Planning status

Which of the following applies to the specified waste management activities identified in B7.1?

We cannot issue a permit unless one of the following applies. Please tick the applicable answer and submit a copy of the relevant documents.

☐ You have planning permission.

Document reference number:

☐ You have a certificate of lawful existing use or development.

Document reference number:

☐ Planning permission is not required - please say why and enclose written confirmation from the Planning Directorate at MEPA.

Document reference number:

☐ If you have submitted an application for planning permission which has not yet been determined, please provide a copy of the application.

Document reference number:

Technically competent person

We need to make sure that whoever holds the permit is a 'technically competent person' in relation to any specified waste management activities. This includes consideration of relevant offences, technical competence and financial provision.

B7.3 Relevant offences

Has the operator, or any other 'relevant person' been convicted of any 'relevant offence'?

A 'relevant person' includes each partner, director, manager, company secretary or any similar officer or can be an employee.

Yes ☐ No ☐

If yes, please give full information.

Document reference number:

The details we need are listed below:

- Full name of company or individual convicted;
- If an individual has been convicted please state their position at time of offence;
- Name of court;
- Date of conviction;
- Offence and penalty imposed;
- Date of any outstanding appeal lodged against conviction;
- Any additional information which the operator would like us to take into account in determining whether they are a 'technically competent person'. For example, why the offence happened, and what has been done to prevent a similar event occurring.

B7.4 Technically competent management

Who will provide the technically competent management of the specified waste management activities?

Please give details for each person and provide written evidence.

Responsible person 1:

Full Name:
Position:
Date of employment:

Document reference number for copies of relevant qualifications:

Responsible person 2:

Full Name:
Position:
Date of employment:

Document reference number for copies of relevant qualifications:

Responsible person 3:

Full Name:
Position:
Date of employment:

Document reference number for copies of relevant qualifications:

Responsible person 4:

Full Name:
Position:
Date of employment:

Document reference number for copies of relevant qualifications:

B7.6 Management of other installations

Are any of these 'Responsible people' already providing the technically competent management at other IPPC installations or at sites licensed under the Environmental Protection Act 2001?

Yes ☐ No ☐

If no, go to question B7.7.

If yes, please use a separate sheet to give details of these people. For each person we need to know the:

- site/installation name and address;
- licence/permit reference number.

Document reference number for this information:

B7 Specified waste management activities *continued*

✦ B7.7 Financial provision

If known, how does the operator intend to make financial provision for the specified waste management activities?

- ☐ Renewable bonds
- ☐ Bonds
- ☐ Bank guarantee
- ☐ Parent company guarantee:

Please include one copy of the parent company's audited trading accounts for the last three years (or for the period of trading if less than three years). These should be no more than 18 months out of date.

Document reference number for accounts:

- ☐ Escrow account
- ☐ Trust fund
- ☐ Insurance captive
- ☐ Lump sum
- ☐ Other (please specify):

B8 What to do next

Please read Appendix I, then prepare and sign a covering letter to attach to your application form.

✦ B7.8 Expenditure plan

Please provide a plan of the estimated expenditure for each phase of the specified waste management activities.

The plan should include the likely costs of:

- monitoring (emission/discharge and ambient monitoring);
- restoration – *landfill only*;
- aftercare – *landfill only*;
- clearing the installation (including drainage systems) of all wastes – *non-landfill*;
- remedial action in the event of the failure of pollution control systems.

We recognise that this plan may need to be revised before the issue of the final permit.

Document reference number for expenditure plan:

Appendix I

Data Protection Clause

In terms of the Data Protection Act (Chapter 440 of the Laws of Malta), we will process any personal and/ or sensitive data supplied on/ in this submission or subsequently supplied by yourself, whether orally or in writing, for all or any of the following purposes:

1. The proper processing of your submission;
2. internal management, research and statistics;
3. the protection and promotion of our legitimate interests and the proper conduct of our obligations arising under any law or statutory instrument; and
4. to make public the necessary information as specified in the relevant law and/or instrument.

Relevant data will be disclosed or shared as appropriate with all our employees and with other third parties if pertinent to any of the purposes listed above.

You have the right to require that we provide you with access to your **personal data** as well as the right to rectify, or, in appropriate circumstances, erase/edit any inaccurate, incomplete or immaterial personal data which is being processed. However, you are required to inform us immediately of any alterations relating to your personal data which we are processing.

By sending your submission, you confirm that you are giving your explicit consent, in terms of the Data Protection Act, on behalf of yourself and all the other persons specified in this submission for the Authority to process your respective personal information as outlined above and you confirm that you have brought this Data Protection notice to the attention of these other persons and obtained their respective consents.

We undertake to implement appropriate measures and safeguards for the purpose of protecting the confidentiality, integrity and availability of all personal data processed.

IPCC: The Edible Oil Ref. Co. Ltd.

B001

Proposed Installation Activities

(a) Edible Oils and Fats Process

The process consists of conditioning and dewaxing of the crude oil with water and acid followed by alkali neutralization.

The oil is then washed various times with a slightly acidic water and brine to neutralize soaps and alkalinity. The oil is then dried, bleached and filtered and finally proceeds to distilling and deodorizing with the steam-stripping system, after which oil is cooled and pumped to storage tanks.

(b) The Esterification Process

The esterification process consists of conditioning and dewaxing of crude oil with water and acid followed by alkali neutralization. The oil is then dried and esterified with a mixture of alcohol and base catalyst. The oil is then washed various times with slightly acidic water and brine to neutralize soaps and alkalinity.

The ester is dried, bleached and filtered and finally pumped into storage tanks.