

IP 0001/14

STERLING CHEMICAL MALTA LTD, HAL FAR

APPLICATION FOR VARIATION OF IPPC PERMIT
VOLUME 1: IPPC APPLICATION FORMS



Version 2: August 2018



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Quality Assurance

Sterling Chemical Malta Ltd, Hal Far
Application for Variation of IPPC Permit: Volume 1
 August 2018

Report for: Sterling Chemical Malta Ltd

Revision Schedule

Rev	Date	Details	Prepared by	Reviewed by	Approved by
00	Oct. 2017	Submission to client	Rachel Decelis Consultant	Rachel Xuereb Director	Adrian Mallia Managing Director
01	Aug. 2018	Re-submission to ERA	Rachel Decelis Senior Consultant	Rachel Xuereb Director	Adrian Mallia Managing Director

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En-Sure Ltd
Kappara Business Centre
113 Birkirkara Road
San Gwann SGN 4197

Tel.: 21378180
Email: info@ensure.com.mt
Web: www.ensure.com.mt



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FORM A

**Form IPPC Part A – application for a permit, variation, transfer or surrender
For Environment & Resources Authority Use Only**

Data received

Fee received: Yes No

Amount received

Name assigned to installation

☐ ☐

Application for a permit, variation, transfer or surrender

Integrated Pollution Prevention and Control (IPPC)

Industrial Emissions (IPPC) Regulations 2013

Introduction to Part A

When to use this form

Use this form if you are sending an application to the ERA under the Industrial Emissions (IPPC) Regulations, 2013.

The form is to be used for applications made in respect of both 'installations' and 'mobile plant' (and in the rest of the form, the term 'installation' also covers 'mobile plant' where appropriate).

Before you start to fill in this form

There may be two or more operators in a single installation. Each operator will need a permit, each obtained by a separate application. Your applications will principally relate to the part of the installation under your control, but will also need to include some information on the rest of the installation. This will help us to assess the operation of the whole installation. The term "installation", when used in this application form (and elsewhere) may refer to either the whole or part of the installation, depending on the nature of the information we are seeking to obtain.

Which parts of the form to fill in

The form is in five parts but we usually only send you the parts you need to fill in. Everyone has to fill in Part A, and prepare and sign a covering letter at the end of their application.

The other parts you need to fill in depends on the type of application you are making:

- To apply for a new permit – fill in Parts A and B;
- To vary an existing permit – fill in Parts A and C;
- To transfer all or part of an existing permit to

someone else – fill in Parts A and D. This should be a joint application by the transferor and the transferee;

- To surrender all or part of an existing permit – fill in Parts A and E.

Other documents we need to see

There are a number of other documents you will need to send us with your application. Each time a request for documents is made in the application form you will need to record a document reference number for the document or documents that you are submitting in the box provided on the form for this purpose.

Please also mark the document(s) clearly with this reference number and either the application reference number if you know it or your existing permit number. If you do not have either of these, please use the name of the installation.

If you know your Application Reference Number, please enter it into the box below:

Using continuation sheets

In the case of questions required to be answered on the application form itself, please use a continuation sheet if you need extra space; but please indicate clearly on the form that you have done so by stating a document reference number for that continuation sheet. Please also mark the continuation sheet itself clearly with the information referred to above.

Copies

Please submit 1 hard copy and 1 soft copy of the application form and all supporting information.

A soft copy of the application form must also be submitted to the consultees identified in Regulation 19(2) of Legal Notice 10 of 2013. A signed delivery note must be enclosed with the application to ERA.

If you need help and advice

We have made the application form as straightforward as possible, but please get in touch with us on tel: 2292 3500 or email: ippc@era.org.mt if you need any advice on how to set out the information we need.

A1 About your application

A1.1 What type of application are you making?

- ☐ new permit
☒ variation of an existing permit
☐ transfer of an existing permit
☐ surrender of an existing permit

A1.2 Name of the installation

Sterling Chemical Malta Ltd

Please tell us if this name is:

- ☒ already agreed with the ERA; or
☐ one that you are proposing.

A1.3 Please give the address of the site of the installation, and a map or plan showing the site of the installation and the location of the installation on the site

Street Address	HF 51	
	Hal Far Industrial Estate	
Locality	Birżebbuġa	Post Code BBG3000

A site plan is included in **Appendix 1**.

A1.4 Give details of any existing permit(s) for the installation.

Please give details of any applicable waste management licences, planning permits, environmental permits or sewer discharge permits. Include permit number(s), type(s) and date(s) of issue, and submit copies.

- IPPC permit: IP 0001/14/A (August 2015)
- Relevant development permits:
 - PA 04236/08 (issued April 2010)
 - PA 03033/12 (June 2013)
 - DN 0624/16 (September 2016)
 - DN 23/17 (January 2017)
 - DN 617/17 (July 2017)
 - PA 3638/18 (under review)
- Sewer discharge permit from WSC (DMU 6745), last renewed in February 2018.
- LPG secondary storage permit issued by REWS, licence no. LPG-00110-SS (SS110), last renewed in May 2018.

Copies of the above permits and pending application are included in **Appendix 2**.

A2 Authorised contacts

It will help us to have someone who we can contact directly with any questions about your application. The person you name should have the authority to act on your behalf.

A2.1 Who can we contact about your application?

This could be an agent rather than the operator.

Name

Marco Garilli

Position

HSE Manager

Address

Street Address	HF 51	
	Hal Far Industrial Estate	
Locality	Birżebbuġa	Post Code BBG3000

Phone Number +356 20908700

Fax Number +356 20908799

Email address

mgarilli@sterlingchemicalmalta.com

A2.2 Operational contact

If different to the above, please identify the person we should contact to discuss operational matters on an ongoing basis.

Name

Position

Address

Street Address		
Locality		Post Code

Phone Number

Fax Number

Email address

A3 About the operator

Please provide the information requested below about the 'operator', which means:

- for applications for a new permit – the person who it is proposed will have control over the installation in accordance with the permit (if granted),
- for applications for a variation, transfer or surrender – the person who currently has control over the installation in accordance with the permit.

If you are applying for a transfer, we will ask for more information relating to the proposed new operator (transferee) in Part D.

Legal status of operator

A3.1 Is the operator an individual, a group of individuals, a partnership or a company/corporate body?

- ☐ Individual (sole trader) or group of individuals: go to question A3.2.
- ☐ Partnership: go to question A3.3.
- ☒ Company or corporate body: go to question A3.5.

Individual applicants

A3.2 Please give us the following details.

Where more than one person is applying (other than as a partnership) we need details of each person.

Continue on separate sheets if necessary.

Full Name

ID Card/Passport No.

Trading/business name (if any)

Business address

Street Address		
Locality		Post Code

Phone Number

Fax Number

Email address

Now go to question A4, What to do next.

Applications from partnerships

A3.3 Who is applying?

We can only issue permits to named individuals, not to a partnership name. We therefore need details of each person in the partnership.

Continue on separate sheets if necessary.

Person

Full Name

ID Card/Passport No.

Principal place of business

Street Address		
Locality		Post Code

Contact Numbers

Phone Number

Fax Number

Email address

Person

Full Name

ID Card/Passport No.

Principal place of business

Street Address		
Locality		Post Code

Contact Numbers

Phone Number

Fax Number

Email address

Person

Full Name

ID Card/Passport No.

Principal place of businessStreet
Address

Locality

Post Code

Contact Numbers

Phone Number

Fax Number

Email address

A3.4 Please give us the following details about the partnership.

Name of partnership (if there is one)

Principal place of businessStreet
Address

Locality

Post Code

Contact Numbers

Phone Number

Fax Number

Email address

Now go to question A4, What to do next.

Companies or other corporate applicants**A3.5 Please give us the following details.**

Full name of company or corporate body.

Sterling Chemical Malta Ltd

Trading/business name (if different)

Registered office addressStreet
Address

HF 51

Hal Far Industrial Estate

Locality

Birżebbuġa

Post Code BBG3000

Company registration number

C3250

Date of formation of company

9th February 2006

- For applications from companies, please provide a copy of the certificate of incorporation or registration and any certificates of subsequent name changes.

Document reference number

Appendix 3

- For applications from other corporate bodies, please provide evidence of status.

Document reference number

A3.6 Is the operator a subsidiary of a holding company?

No ☐

Yes ☒ name of ultimate holding company

S.N.I.F.F. ITALIA S.P.A.

Registered office address

Street Address	Via della Carboneria 30/32	
	Corciano (PG)	
Locality	Italy	Post Code 06073

Principal office address (if different)

Street Address		
Locality		Post Code

Company registration number

PG 112595

A4 What to do next

Now you need to fill in the other Parts of this form available online.

If you are applying for

- ☐ • A new permit – fill in Part B;
- ☒ • A variation – fill in Part C;
- ☐ • A transfer – fill in Part D;
- ☐ • A surrender – fill in Part E.

FORM C

Form IPPC Part C: Application for a Variation

Use this part of the form if you are applying to vary the conditions or any other provision contained in your permit.



For ERA use only
Application reference:

Please read carefully Appendix I attached with this application.

C1 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 describe all activities listed in Annex I to the Industrial Emissions Directive that are proposed to be carried out.

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.

These could include, for example, boilers, generators, water purification systems, scrubbers and other air purification systems.

In **Column 2: Schedule 1 references**, write the category the installation falls under in Schedule 1 of the Industrial Emissions (IPPC) Regulations (LN 10/13), e.g. 1.1, 5.3(b)(i).

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

In **Column 4: Variations**, indicate how the proposed changes would affect the activities.

C1.1 Installation details

COLUMN 1 Permitted activities in the “stationary technical unit”	COLUMN 2 Schedule 1 references	COLUMN 3 Operator	COLUMN 4 Proposed variations
Synthesis of APIs	4.5	Applicant	Addition of Stage 3 block, comprising a micronisation facility with overlying laboratory and two offices. Includes two new emission points to air from the laboratory fume hoods.

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
Permitted activities in the “stationary technical unit”	Schedule 1 references	Operator	Proposed variations
Directly associated activities			
Associated activity of utilities: 1. Water purification plant. 2. Operation of 9 reactors 3. LPG Euro boiler (1 in number) to produce hot water for room heating and sanitary water. 4. Steam generator (1 in number) for the creation of steam to be used by the tube bundle exchangers for the reactors’ heating and the air handling unit dryers in the finishing and production areas 5. Operation of a cooling tower 6. Operation of air handling units	-	Applicant	1. No changes. 2. Addition of three new reactors (one in line 1, and two in line 2), carrying out the same processes as those already authorised and operational. 3. No changes to boiler; however, the three existing LPG tanks will be replaced by a single new LPG tank. 4. No changes. 5. No changes. 6. No changes. 7. Addition of new cold rooms for storage of samples, raw materials, intermediates, and products.
Associated activity of storage, treatment and disposal/recycling of waste materials: • Handling, storage, treatment and disposal/recovery of wastes from installation	-	Applicant	Addition of new temporary waste storage area. No other changes to waste types or waste management practices. A small increase in waste quantities is expected as a result of the increased production capacity. Such waste will be handled with the existing waste streams.

The proposed variations also include new offices and meeting rooms in the second floor overlying the existing administration block; however, no technical activities will occur here.

C1.2 Non-technical description

Please provide a non-technical description of the proposed changes.

Document reference number:

Volume 2: Chapter 2

C1 About the installation *continued*

C1.3 The proposed variations

Please provide a summary of the variations which you are applying for.

This should include:

- a description of the change in operation requiring the variation;
- an indication of the variations to the conditions of the permit that you wish to apply for.

Document reference number for the summary:

Volume 2: Chapter 2

C1.4 Site maps and reports

Are you proposing any change in operation that would result in additional land being included within the site of the installation?

Yes ☒ No ☐

If yes, please provide:

C1.4.1

A site report, describing the condition of the site of that part of the installation in respect of which you are applying for a variation, and, in particular, identifying any substance in, on or under the land which may constitute a pollution risk. A baseline report assessing the state of the groundwater and land may also be required by the Authority.

Document reference number for the report:

**Volume 2: Chapter 2; Volume 3:
Addendum 1 to Land & Groundwater
Risk Assessment**

C1.4.2

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

Document reference number for map(s):

**Volume 3: Addendum 1 to Land &
Groundwater Risk Assessment**

C1.4.3

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

Document reference number for plans:

**Volume 3: Addendum 1 to land &
groundwater risk assessment**

All maps and plans submitted shall be to scale, using a scale rule. Soft copies of plans should be submitted in .pdf format only.

C2 Your proposed techniques

C2.1 Environmental Management System

Provide details of any changes to environmental management techniques resulting from your proposals.

Document reference number:

Volume 2: Chapter 3

C2.2 Proposed activities

C2.2.1 Describe any proposed changes to the installation activities.

Document reference number:

Volume 2: Chapter 3

C2.2.2 Describe 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) as a result of your proposals.

Document reference number:

Volume 2: Chapter 3

C2.2.3 Submit a flow diagram summarising the proposed installation activities and indicating the changes.

Document reference number:

Volume 2: Chapter 3

C2.2.4 Include a comparison of the proposed changes to the activities with relevant BAT conclusions published by the European Commission, where these have been published.¹

Document reference number:

Volume 2: Chapter 3

C2.2.5 Include an outline of the main alternatives considered to the proposed changes to the technology, techniques and measures.

Document reference number:

Volume 2: Chapter 3

¹ Available from <http://eippcb.jrc.es/reference/> and/or <http://ec.europa.eu/environment/air/pollutants/stationary/ied/implementation.htm>

C2 Your proposed techniques *continued*

C2.3 Raw materials

Identify any changes to the raw and auxiliary materials, and any other substances (including fuels) proposed to be used as a result of your proposals.

If any changes are proposed, give details of quantities proposed to be used annually and submit respective MSDS sheets.

In addition, identify the storage location of these materials on a site layout plan and give details on:

- Maximum storage capacity;
- Containment measures (including bunding capacity, where applicable);
- Protective measures (including security).

Document reference number:

Volume 2: Chapter 3

C2.4 Ozone depleting substances and fluorinated greenhouse gases

Identify any changes to the equipment using ozone depleting substances and fluorinated greenhouse gases, with a fluid charge of 3 kg or more.

For each such equipment, identify the type of equipment (hermetically-sealed systems, fixed systems or mobile systems), its use (firefighting, refrigeration/air-conditioning or high-voltage switchgear), charge (in kg) and the type of substance (e.g. R22, R407c, R134a).

Document reference number:

Volume 2: Chapter 3

C2.5 Maintenance

Describe any changes to the maintenance programme for the installation.

Document reference number:

Volume 2: Chapter 3

C2.6 Energy

C2.6.1: Describe any changes to the 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).

C2.6.2: Describe any changes to the proposed basic measures for improvement of energy efficiency.

Document reference number:

Volume 2: Chapter 3

C2.7 Water

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

Document reference number:

Volume 2: Chapter 3

C2.8 Risk assessment

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

Include any changes to emergency plans in case of fire, actions to be taken in case of failure of abatement equipment and other environmentally relevant incidents (e.g. spillages, gas leakage).

Document reference number:

Volume 2: Chapter 3

C2.9 Training

Please indicate whether any changes to the staff training programme will be required. Please submit the name of the technically competent person on site who will be responsible for such training.

Document reference number:

Volume 2: Chapter 3

C2 Your proposed techniques *continued*

C2.10 Cessation

Describe any changes to the outline decommissioning plan describing the draft 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).

This plan shall include a draft waste management strategy, and a qualitative assessment of the potential for contamination of land and groundwater pollution which might arise from the historical and current processes carried out at the installation.

Document reference number:

No proposed changes. The original outline decommissioning plan is still valid.

C2.11 Multi-operator installations

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

Document reference number:

Not applicable.

C3 Your proposed emissions

C3.1 Waste²

C3.1.1: Characterise (using the European Waste Catalogue code, in accordance with LN 184 of 2011 as amended³) and quantify any changes to each waste stream from the installation.

Document reference number:

Volume 2: Chapter 4

C3.1.2: Describe any changes to the proposed measures for waste management, storage and handling. If any are identified, also indicate the storage location of wastes on a site layout plan and give details on:

- Maximum storage capacity;

² For installations carrying out waste management activities (activities listed in "Section 5: Waste management" of Annex I of the Industrial Emissions Directive), please use this section to document both incoming and outgoing waste.

³ <http://www.mepa.org.mt/file.aspx?f=6289>.

C3 Your proposed emissions *continued*

- Containment measures (including bunding capacity, where applicable);
- Protective measures (including security).

Document reference number:

Volume 2: Chapter 4

C3.1.3: Describe how each waste stream identified in C3.1.1 is prepared for re use, recycled, recovered or disposed of. 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.

For these wastes, give details on authorised disposal/recovery facilities proposed to be used for each waste. If any on-site recovery of waste is proposed, provide details.

For each of these wastes, give details on off-site transportation, including registered waste carriers/brokers to be used.

Document reference number:

Not applicable. No changes are proposed.

C3.2 Emissions to Groundwater

Could there be changes to groundwater discharges from the installation?

Yes ☐ No ☒

If yes, explain how the requirements of the Protection of Groundwater against Pollution and Deterioration Regulations (LN 108 of 2009) have been addressed, and submit a map showing the proposed location of such emissions.

Document reference number:

C3.3 Emissions to Sewer

C3.3.1: Is a new sewer connection envisaged as a result of your proposal?

Yes ☐ No ☒

If yes, please submit a block plan of the site, showing the proposed layout of sewer connections and any other drains (colour-coded), as well as the proposed discharge point(s).

Document reference number:

C3 Your proposed emissions *continued*

C3.3.2: If a new sewer connection is envisaged, does the installation have a Sewer Discharge Permit?

Yes ☐ No ☐

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

Document reference number:

C3.3.3: Could the proposal involve the release of any Schedule A or Schedule B substance into the sewers, or changes to releases?

Yes ☐ No ☒

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

Document reference number:

C3.3.4: Are new or changes to cesspit/s being proposed?

Yes ☐ No ☒

If yes, please provide certification by an independent, warranted engineer showing that each cesspit is in line with the requirements of Schedule 1 Activity 43 of LN 106 of 2007 (as may be amended).

Document reference number:

C3.4 Emissions to the Sea

Identify if the proposal may result in changes to direct discharges to coastal (up to 1 nautical mile from the coast line) or territorial waters.

Yes ☐ No ☒

If any changes are identified, explain how the requirements of the Discharge of Dangerous Substances Regulations (LN 213 of 2001) and the Water Policy Framework Regulations (LN 194 of 2004 as amended by LN 24 of 2011) have been addressed.

Include details of the source, any treatment proposed prior to discharge, composition and maximum volumes (in m³/day) discharged.

Document reference number:

In addition, please submit a block plan of the site, showing the proposed discharge point to the sea. Indicate the geo-referenced coordinates for discharge to sea.

Document reference number:

C3.5 Rainwater

Describe any changes to how rainwater is handled on site. If any changes are proposed, attach a site drainage map indicating rainwater capture and harvesting/discharge.

Document reference number:

Volume 2: Chapter 4

C3.6 Emissions to Air

Identify if there may be any changes in 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 and treatment/abatement measures. A block plan of the site showing each emission point should be submitted.

For each new boiler/generator, submit the following details: rated thermal input, energy output, date of manufacture, stack height, fuel type and annual fuel consumption.

Document reference number:

Volume 2: Chapter 4

C3.7 Odour emissions

Identify if there may be changes in emissions of odour.

Yes ☐ No ☒

If any are identified, submit details of the main sources of odour, and the proposed techniques and measures for control of odour.

Document reference number:

C3 Your proposed emissions *continued*

C3.8 Emissions to Land

Identify if there may be any changes in 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:

C3.9 Noise

Describe:

C3.9.1: The main sources of noise and vibration (including infrequent sources) of the new proposal;

C3.9.2: The proposed techniques and measures for control of noise;

C3.9.3: The nearest noise sensitive locations and distance away from the site (a site map may be submitted for this purpose); and

C3.9.4: Relevant environmental noise measurement surveys which have been undertaken (monitoring shall be according to the latest revisions of ISO1996 and the rating of industrial noise affecting residential areas shall be according to BS 4142; monitoring shall be carried out exclusively using type 1 sound level meter).

Document reference number:

Volume 2: Chapter 4

C3.10 Monitoring

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

C3.10.1: The location of each proposed monitoring point (plotted on a suitably-labelled block plan of the site);

C3.10.2: The substances (in each environmental medium) which are proposed to be monitored;

C3.10.3: The frequency with which monitoring is proposed to take place;

C3.10.4: The proposed measurement methodology, which should be a standard methodology, such as EN or ISO standard, or equivalent;

C3.10.5: The proposed procedure for evaluation of the results.

Document reference number:

Volume 2: Chapter 4

C3.11 Emissions & waste summary

By means of a mass flow diagram, summarise the emissions and waste described in sections C3.1, C3.2, C3.3, C3.4, C3.6, and C3.8 of this application.

Document reference number:

Volume 2: Chapter 3 (section C2.2)

C4 Impact on the environment

C4.1 Environmental effects

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

Document reference number:

Volume 2: Chapter 5

C4.2 Effects on other sites

Provide an assessment of whether the proposal 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:

Volume 2: Chapter 5

C5 Environmental statements

C5.1 Environmental statement

Has this proposal 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:

C6 Statutory consultees

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

C6.1 Local council

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

Birżebbuġa

C6.2 Other sites

Are there any other sites which may be affected by emissions from the proposal? (Refer also to your answer to C4.2).

Yes ☐ No ☒

If yes, please give the names of the sites:

C6.3 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:

C7 Planning status

C7.1 Planning status

Which of the following applies to the proposed installation activities?

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:

Volume 1: Appendix 2

☐ 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:

Volume 1: Appendix 2

C8 Technically competent person

Technically competent person

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

C8.1 Technically competent management

Are any changes to the technically competent management of the activities proposed?

Yes ☒ No ☐

If yes, please give details for each person and provide the written evidence requested.

Responsible person 1:

Full Name: Alessandro Bianchi
Position: Production Director
Date of employment: 03/11/2014
Mobile number: +356 99963496

Document reference number for copies of CV, relevant qualifications and recent police conduct certificate:

Volume 1: Appendix 4

Responsible person 2:

Full Name: Marco Garilli
Position: HSE Manager
Date of employment: July 2017
Mobile number: +356 9910 1171

Document reference number for copies of CV, relevant qualifications and recent police conduct certificate:

Volume 1: Appendix 4

Responsible person 3:

Full Name:
Position:
Date of employment:
Mobile number:

Document reference number for copies of CV, relevant qualifications and recent police conduct certificate:

C8 Technically competent person *cont.*

C8.2 Management of other installations

Is any of the technically competent management already providing the technically competent management at other IPPC installations or at sites licensed under the Environmental and Development Planning Act 2010?

Yes ☐ No ☒

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:

C9 Expenditure plan

C9.1 Expenditure plan

Please provide a plan of the estimated expenditure for each phase of the following specified activities arising from your proposal.

The plan should include the likely costs of:

- monitoring (emission/discharge and ambient monitoring);
- clearing the installation (including drainage systems) of all wastes;
- 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:

Volume 1: Appendix 5

C10 What to do next

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

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.

Appendix 1: Site plan



INDICATIVE ONLY - Not to be used for direct interpretation

Location of Scheme site

Legend

Existing site boundary

Proposed site extension

IP 0001/14/A
IPPC application

Map by: Adi Associates Environmental Consultants Ltd

Client: Sterling Chemical Malta Ltd	Ref:ES_STG002
File ref: IPPC\Sterling\Maps	Date: 7 / 2018

Appendix 2: Existing permits and pending planning application

To: Sterling Chemical (Malta) Ltd.
HF 51,
Hal Far Industrial Estate
Birzebbuga
BBG 3000

Date: 11th August 2015
Our Ref: IP 0001/14/A

Application Number: IP 0001/14
Application Type: Integrated Pollution Prevention and Control Permit
Approved Documents: Document IP 0001/14/A

Location: HF 51, Hal Far Industrial Estate, Birzebbuga
Proposal: Production of basic pharmaceutical products (Active Pharmaceutical Ingredients)

Industrial Emissions (Integrated Prevention and Control) Regulations (LN 10 of 2013)

The Malta Environment and Planning Authority (MEPA) hereby grants consent to issue the IPPC permit in accordance with the application described above, of the operations detailed in the attached IPPC permit document (IP0001/14/A) and associated approved documents.

This permit regulates the management and operational conduct of the site.

This permit is valid until 11th August 2019 however, it may be varied/surrendered/transferred as specified in pages 3 and 4 of the introductory note in the permit. An application for renewal of this permit is to be submitted at least six months prior to expiry of this permit and must show how the obligation in the improvement programme have been met.

This permit is granted subject to the following conditions:

1. Operations are to conform to the standards and operating conditions specified in the IPPC permit document (IP 0001/14/E) and associated approved documents as listed above.
2. Prior to issue of this permit, the applicant is to submit a financial guarantee of €22,000 to secure the obligations under this permit. This guarantee consists of the following:
 - a. €3000 covering the attainment of ISO 140001 and the implementation of a corresponding Environment Management System
 - b. €3,000 covering the submission of a land and groundwater risk assessment and ,if required, a monitoring strategy and baseline report.
 - c. €1,000 covering the implementation of the 1st noise monitoring exercise.
 - d. €15,000 to secure the other obligations under this permit.

Parts (a)-(c) of the financial guarantee will only be released when the respective component has been achieved to the satisfaction of the Authority. Otherwise, the financial guarantee shall be maintained by the permit holder throughout the term of validity of this permit and **shall only be released on surrender of the permit.**

3. Additionally, a processing fee of €15,000 and a basic annual contribution of €1,500 is to be remitted by the permit holder to cover the 2015 annual fees for operations.

Future remittances will consist of the fixed annual amount of €1500 and a variable addition reflecting MEPA's cost for inspections. The fixed annual amount of €1500 will be reduced to €750 should the installation obtain environmental management certification recognised by the Malta Competition and Consumer Affairs Authority (MCCAA). The latter variable component depends on the actual number of site inspections, which is determined by the performance of the operator. This total annual contribution has to be paid before the anniversary of the date of issue of this permit. Variations in MEPA's inspection expenditure will be reflected in the following year's contribution.

This permit is granted saving third party rights. The applicant/permit holder is not excused from obtaining any other permission, authorisation, etc., required by any other law.

Perit Vince Cassar
Chairman

Permit with introductory note

Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (LN 10 of 2013).

Sterling Chemical Malta Ltd.
HF 51,
Hal Far Industrial Estate,
Birzebbuga
BBG 3000

Permit number
IP 0001/14/A

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Introductory note

This introductory note does not form part of the Permit

The following Permit is issued under Regulation 7 of the Industrial Emissions (Framework) Regulations, 2013 (LN 9 of 2013) to operate an installation carrying out activities covered by the description in Section 4.5 in Schedule 1 of the Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (LN10 of 2013) ("the Industrial Emissions (IPPC) Regulations"), to the extent authorised by the Permit, i.e.

"Installations carrying out an industrial scale the production by chemical or biological processing of pharmaceutical products including intermediates".

Aspects of the operation of the installation which are not specifically regulated by conditions in the Permit may also be subject to the condition implied by Regulation 8 of the Industrial Emissions (IPPC) Regulations, which require the Operator to use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, managed, operated and decommissioned.

In some sections, the Permit conditions require the Operator to use Best Available Techniques (BAT), in each of the aspects of the management of the installation, to prevent and where that is not practicable to reduce emissions. These conditions do not explain what BAT is.

A non-technical description of the installation is given in the application, but the main activity of the installation is as follows:

- **Production of basic pharmaceutical products (Active Pharmaceutical Ingredients – APIs).**

Note that the Permit requires the submission of certain information to the Competent Authority (see sections 1, 2, 4 and 5). In addition, the Competent Authority has the power to seek further information at any time under regulation 11 of the Industrial Emissions (Framework) Regulations, provided that it acts reasonably.

Other IPPC Permits relating to this installation

Operator	Permit Number	Date of Issue
Not applicable		

Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue
Not applicable		

Public Registers

This IPPC Permit and application is available to the public through the Competent Authority in accordance with the requirements of the Industrial Emissions (IPPC) Regulations. The applicant has made a request for certain information of a commercial nature to be withheld from the public. MEPA has been supplied with all this information and has accepted the request of the applicant, because it was deemed to be commercially confidential. Alternative text which provides relevant information but does not include the confidential information, has however been included in the application.

Variations to the Permit

This Permit may be varied at any time in the future (by the Authority serving a Variation Notice on the Operator). If the Operator himself wants any of the Conditions of the Permit to be changed, a formal application must be submitted to the IPPC Committee of the Competent Authority. The **Status Log** within the Introductory Note to any such Variation Notice will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an Application to surrender the Permit has to be made to the Competent Authority by the Operator. For the application to be successful, the Operator must be able to demonstrate to the Competent Authority that there is no pollution and public health risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the Permit or part of the Permit

Before the Permit can be wholly or partially transferred to another person, an Application to transfer the Permit has to be made to the Competent Authority, by the existing and proposed operators jointly. A transfer will be allowed unless the Authority considers that the proposed operator will not be the person who will have control over the operation of the installation or will not comply with the conditions of the transferred Permit. If, however, the Permit authorises the carrying out of a specified waste management activity, the transfer will only be allowed if the proposed Operator is also considered to be a technically competent person.

Status Log

Detail	Date	Comment
<i>Application IP 0003/06</i>	<i>Received 28 May 2014</i>	<i>Not 'Duly Made'</i>
<i>Request for further information and Response</i>	<i>Request dated 17 February 2015</i>	<i>Response dated 18 March 2015</i>
<i>Internal Consultation and Consultation with statutory consultees.</i>	<i>Commenced on 17 February 2015</i>	<i>Concluded on 19 March 2015</i>
<i>Request for further information and Response</i>	<i>Request dated 15 April 2015</i>	<i>Response dated 28 May 2015</i>
<i>Request for further information and Response</i>	<i>Application regarded as 'Duly Made' on 6th June 2015 and 12 June 2015.</i> <i>Request for consolidated version for commencement of public consultation</i>	<i>Consolidated application submitted on 18 June 2015</i>
<i>Public consultation</i>	<i>Commenced on 19 June 2015</i>	<i>Concluded on 19 July 2015</i>
<i>Permit determined</i>	<i>30 July 2015</i>	
<i>Permit issued</i>	<i>13 August 2015</i>	

End of Introductory Note

Permit

Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (LN 10 of 2013)

Permit number
IP 0001/14/A

The Malta Environment and Planning Authority (hereinafter the Authority; the Competent Authority or MEPA) in exercise of its powers under Regulation 7 of the Industrial Emissions (Framework) Regulations, 2013 (LN 9 of 2013) ("the Industrial Emissions (Framework) Regulations"), hereby authorises:

Sterling Chemical (Malta) Ltd. (hereinafter "the Operator")
Of / Whose Registered Office (or principal place of business) is at:

HF 51, Hal Far Industrial Estate, Birzebbuga, BBG 3000
(Company registration number: **C3250B/6**)

to operate an installation at:

HF 51, Hal Far Industrial Estate, Birzebbuga, BBG 3000

to the extent authorised by and subject to the conditions of this Permit.

Signed	Date
<div></div>	<div></div>

Authorised to sign on behalf of the Competent Authority

Name in block letters: _____

ID Number: _____

Conditions

1 General

These permit conditions shall be read in conjunction with the original IPPC Application and the application for variation, as subsequently clarified and recorded in the status log above, which forms an integral part of these permit conditions.

1.1 Permitted Activities

1.1.1 The Operator is authorised to carry out the activities and the associated activities specified in Table 1.1.1.

Table 1.1.1		
Activity listed in Schedule 1 of the Industrial Emissions (IPPC) Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Section 4.5: Production by chemical or biological processing of pharmaceutical products including intermediates.	Synthesis of active pharmaceutical ingredients (APIs).	From receipt of raw materials and associated chemicals to dispatch of finished product (including packaging and storage). Does not include the preparation of any radioactive APIs or use of cytotoxic/cytostatic materials.
	Associated activity of utilities	Water purification plant. From receipt of water to delivery of utility.
	Operation of 9 reactors	As described in the consolidated IPPC application submitted on 19 June 2015
	LPG Euro boiler (1 in number) to produce hot water for room heating and sanitary water.	From receipt of fuel to delivery of utility.
	Steam generator (1 in number) for the creation of steam to be used by the tube bundle exchangers for the reactors' heating and the air handling Unit dryers in the finishing and production areas	From receipt of fuel to delivery of utility.
	Operation of a cooling tower	From intake of water, to treatment and final discharge.
	Operation of a air handling units	From the intake of outside air to filtration prior to extraction from the facility

Associated activity of storage, treatment and disposal/recycling of waste materials	Handling, storage, treatment and disposal/recovery of wastes from installation.	From generation of waste to disposal or recycling onsite or offsite. Includes separation of solvent mixture from industrial process for recovery and re-use where possible, storage of rejected products.
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1.2 Site

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, as shown on the Site Plan in Schedule 3B to this Permit.
- 1.2.2 A site notice shall be erected and displayed in a prominent position such as to be readily visible by the public. The notice shall contain the following information:
- 1.2.2.1 State that the site operates under an IPPC permit issued by MEPA.
- 1.2.2.2 Provide the permit number and the name of the Operator.
- 1.2.2.3 Provide a 24-hour emergency contact name and telephone number for the operator.

1.3 Overarching Management Condition

- 1.3.1 Without prejudice to the other conditions of this Permit, the Operator shall implement and maintain an Environmental Management System (EMS), and an organisational structure, and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit. An EMS can take the form of a standardised system (e.g. EN ISO 14001:1996 or EMAS) or a non-standardised ("customised") system, provided that is properly designed and implemented.
- 1.3.2 Within 2 years of issue of the permit, the operator shall obtain ISO 14001 accreditation and implement a corresponding Environmental Management System
- 1.3.3 The Operator shall submit (including as part of the EMS) the following reports annually as part of the Annual Environmental Report of the site, according to the timeframe specified in Condition 4.1.2:
- 1.3.3.1 Environmental Policy containing the installation's environmental objectives and targets;
- 1.3.3.2 Environmental Management Programme report (for the reporting year);
- 1.3.3.3 Environmental Management Programme proposal (for the following year);
- 1.3.4 The Permitted Installation shall, subject to the conditions of this Permit, be managed, controlled and operated as described in the application and subsequent responses to requests for information submitted as per the Status Log above, or as otherwise previously agreed in writing by the Authority.

1.4 Improvement Programme

- 1.4.1 The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Authority within 10 working days of the completion of each such requirement.

Table 1.4.1: Improvement programme		
Reference	Requirement	Date
1	Installation of a site notice as per condition 1.2.2.	Within 1 month of issue of the IPPC Permit
2	Obtaining ISO 14001 accreditation and implementation of the corresponding Environmental Management System.	Within 2 years of issue of the IPPC permit
3	Submission of a land and groundwater risk assessment and ,if required, a monitoring strategy and baseline report in line with “ <i>communication from Commission - European Commission Guidance concerning baseline reports under Article 22(2) of Directive 2010/75/EU on industrial emissions (2014/C 136/03)</i> ” pursuant to Regulations 9(3) and 16(2) of the Industrial Emissions (IPPC) Regulations.	By not later than 31 December 2015 for submission of the land and groundwater risk assessment for approval. By not later than 31 March 2016, for the submission of monitoring strategy for approval (if required). By not later than 30 June 2016, for the submission of baseline report (if required).
4	A noise monitoring exercise shall be carried out once full commercial production commences.	By 31 not later than December 2015

1.5 Operational Changes

- 1.5.1 The Operator shall seek the Authority’s written agreement prior to any operational changes by sending to the Authority: written notice of the details of the proposed change, including an assessment of its possible effects (including changes in emissions and waste production) on risks to the environment and public health from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date. Operational changes shall include but not be limited to:
- 1.5.1.2 Shifting reactors from one part of the facility to another;
 - 1.5.1.3 Installation of new reactors, centrifuges, driers and other equipment;
 - 1.5.1.4 Inclusion of new production lines or process areas;
- 1.5.2 Any such change shall not be implemented until agreed to in writing by the Authority. As from the agreed implementation date, the Operator shall operate the Permitted Installation in accordance with that change, and relevant provisions in the Application shall be deemed to be amended.

1.5.3 The Director of Environment Protection and any officials to whom this role is delegated are hereby authorised to make decisions on variations to this permit, with the exception of the following cases:

(a) variations which could lead to significant impact on human health or the environment;

(b) any change in the nature or functioning or an extension of an installation where the change or extension in itself reaches the capacity thresholds set out in Schedule 1 of the Industrial Emissions (IPPC) Regulations;

(c) variations covered by the Environmental Impact Assessment Regulations;

(d) aspects of the operations specifically prohibited by this permit;

(e) changes to emission limit values;

(f) changes to fees;

(g) renewal of the validity of this permit.

1.6 Pre-Operational Conditions

1.6.1 There shall be no open storage or handling of API's in dry powder form in the external flammable warehouse. Receptacles containing dry powders shall only be opened in process areas serviced with dedicated extraction and room filtration that are separate from the 'open' production areas as specified in condition 2.2.1.3

1.7 Off-site Conditions

1.7.1 The operator shall ensure that no chemicals or waste escape to the environment especially when transporting such materials offsite or onsite.

2 Operating Conditions

2.1 In-Process Controls

2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the IPPC application, or as otherwise agreed in writing by the Authority in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

2.2 Emissions

2.2.1 Emissions to Air (excluding Odour, Noise or Vibration) from Specified Points

2.2.1.1 This Part 2.2.1 of this Permit shall not apply to releases of odour, noise or vibration.

2.2.1.2 Emissions to air shall only arise from the emission points specified in Table 2.2.1, as described in the IPPC application.

Table 2.2.1 : Emission points to air		
Emission point reference	Source	Location of emission point
EM1	Production area	Scrubber stack
	Weighing Room	
	Finished Goods area (clean room)	
EM4	Laboratories	Scrubber stack
EM5	Steam Generator	Generator extractor
EM6	Boiler	Boiler stack
EM7	Cooling Tower	Cooling tower stack
EM8		Cooling Tower stack

2.2.1.3 Emissions to air from all areas where active pharmaceutical ingredients in dry powder form are handled shall only be released following filtration through abatement equipment having at least 99.9% efficiency.

2.2.1.4 The limits for emissions to air for the parameters and emission points set out in Table 2.2.2 shall not be exceeded. These limits relate to dry gas and volume flows without dilution.

Table 2.2.2 : Emission limits to air and monitoring		
Emission point reference	Parameter	Limit
EM1, EM4	VOC as carbon	20 mgC/Nm ³
EM1	Powder	<1 mg/ Nm ³
EM4		<2 mg/ Nm ³
EM1	Oxides of Nitrogen	50 µg/ m ³
EM5, EM6		0.35g/ m ³ (¹)
EM4	Benzene	1 µg/ m ³
EM1	NH ₃	10mg/m ³
EM1	HCl	7.5 mg/Nm ³
EM5, EM6	Carbon Monoxide	Mass concentration of 80 mg/m ³ (¹)
EM5, EM6	Total Particulate Matter	50 mg/m ³ (¹)
EM5, EM6	Carbon Dioxide	12,5% in volume(¹)

(¹) All concentrations from emission point EM5 and EM6 shall be corrected to 273K, 101.3 KPa, dry gas volume and to an oxygen content of 3%.

2.2.1.4 Regarding emissions of VOCs from organic solvents , the installation shall comply with either of the following emission limits:

- i. a total emission limit value of 15% of the solvent input, or
- ii. the emission limit value for waste gases as defined in table 2.2.2 for point sources EM1 and EM4 and a fugitive emission value of 15% of the solvent input.

- 2.2.1.5 Compliance with the total emission limit value or with the fugitive emission value is to be demonstrated in accordance with the guidance provided in Schedule IV of the Industrial Emissions (Limitation of Emissions of Volatile Organic Compounds) Regulations (LN 12 of 2013), and as may be subsequently amended, and shall take account of all organic solvents used within the installation, including raw materials used in the process and solvent used for cleaning the equipment .
- 2.2.1.6 Compliance with the waste gas emission limit value in table 2,2,2 shall be demonstrated through a monitoring exercise carried out in accordance with Regulations 7 and 8 of the industrial Emissions (Limitation of Emission s of Volatile Organic Compounds) Regulations (LN12 of 2013).
- 2.2.1.7 Discharges from the scrubber of VOCs from substances or preparations which, because of their content of VOCs are assigned or need to carry the hazard statements H340, H350, H350i, H360D or H360F or the risk phrases R45, R46, R49, R60, or R61, where the mass flow of the sum of the compounds causing the risk labelling is greater or equal to 10 g/hour, shall comply with an emission limit value of 2 mg/Nm³. The emission limit value refers to the mass sum of the individual compounds causing the risk labelling and these limits relate to dry gas and volume flows without dilution. Where the operator has not used such substances during a particular year, he shall notify the Authority as part of the Annual Environmental Report, and such monitoring shall not be required during that year.
- 2.2.1.8 Without prejudice to the emission limit for total VOC as carbon specified in Table 2.2.2, discharges from the scrubber of halogenated VOCs which are assigned or need to carry the hazard statements H341 or H351 or the risk phrases R40 or R68, and where the mass flow of the sum of the compounds causing the labelling is greater than or equal to 100 g/hour, shall comply with an emission limit value of 20 mg/Nm³. The emission limit value refers to the mass sum of the individual compounds and these limits relate to dry gas and volume flows without dilution. Where the operator has not used such substances during a particular year, he shall notify the Authority as part of the Annual Environmental Report, and such monitoring shall not be required during that year.
- 2.2.1.9 The Operator shall monitor the parameters listed in Table 2.2.2 and in Conditions 2.2.1.4 – 2.2.1.5 annually provided that the limits detected are within the emission limit values specified in Table 2.2.2 and Conditions 2.2.1.4 – 2.2.1.5. Otherwise, monitoring shall be carried out at six-monthly intervals Monitoring from the scrubber shall be carried out during production, while monitoring from the boiler shall be carried out during its operation. Measurements for the parameters in Conditions 2.2.1.4 and 2.2.1.5 shall be carried out according to Regulations 7 and 8 of the Industrial Emissions (Limitation of Emissions of Volatile Organic Compounds) Regulations (LN 12 of 2013).
- 2.2.1.10 Under abnormal operating conditions such as in the case of breakdown, the Operator shall reduce or close operations as soon as practical until normal operation can be restored.
- 2.2.1.11 The operational effectiveness of filters (such as HEPA filters) for the control of particulate emissions of pharmaceutical raw materials, intermediates and products shall be monitored by means of a pressure differential recorder or equally effective means. Such recorders shall be visible to operators working on the equipment such that an out of range incident can be easily and immediately identified.
- 2.2.1.12 When filters are found to have reached the pressure alert limit indicated by filter manufacturer, these shall be immediately replaced and where applicable, damaged filters shall be treated as hazardous waste as per LN 184 of 2011, as amended.

- 2.2.1.13 In the event of a local nuisance from emissions to air, the operator must, at the written request of MEPA and within 10 working days, identify the specific cause of the nuisance and examine means for its elimination or minimisation including:
- 2.2.1.13.1 Relocating / redesigning/ extending the stack(s) or vent(s) to a point where nuisance is minimised.
 - 2.2.1.13.2 Replacement of fuel.
 - 2.2.1.13.3 Preventative measures such as replacement of process materials (e.g. odorous solvents) by more environmentally sensitive compounds.
 - 2.2.1.13.4 Improved storage of materials.
- 2.2.1.14 The operator shall submit a method statement or standard operating procedure for Approval by the Authority, indicating how cleaning of abatement equipment and ducting is carried out.

2.2.1.9 Cooling Tower Registration

- 2.2.1.9.1 Any new cooling tower on site shall be registered with the Environmental Health Directorate, within a timeframe agreed with the Environmental Health Directorate.
- 2.2.1.9.2 The installation shall comply with the conditions set by the Environmental Health Directorate and with the provisions of the Control of *Legionella* Regulations, 2006 (L.N. 5 of 2006 as amended).
- 2.2.1.9.3 The Operator shall abide to the following Minimum Disinfection and water monitoring conditions for cooling towers:
- a. water of the cooling tower should be continuously treated with one or more biocides to effectively control the growth of micro-organisms including *Legionella* and with chemical or other agents to minimise scale formation, corrosion and fouling;
 - b. a chlorine-compatible bio-dispersant is added to the recirculating water of the cooling tower system and, that the system is then disinfected, cleaned and re-disinfected;
 - i. immediately prior to initial start up following commissioning, or any shut down period of greater than one month;
 - ii. at intervals not exceeding 6 months;
 - c. at least every 6 months a sample of the recirculating water of the cooling tower system shall be tested for *Legionella* and at least every month for heterotrophic colony count, at a laboratory accredited for such tests (or other laboratory providing the equivalent performance and reliability). The results of such tests shall be submitted as part of the Annual Environmental Report of the installation in the format specified therein (Table S2.4.2).

2.2.2 Discharges to water (other than to groundwater and to sewer)

- 2.2.2.1 This Part 2.2.2 of this Permit shall not apply to releases of odour, noise or vibration or to releases to groundwater.
- 2.2.2.2 No discharges to water (other than to groundwater and to sewer) shall take place at the installation.

2.2.3 Discharges to the sewer

- 2.2.3.1 The Operator shall seek to obtain a Sewer Discharge Permit from the Water Services Corporation (WSC) and shall supply all the information requested by the WSC and take all the necessary actions as instructed by the WSC and/or the Authority. The operator shall forward to the Authority a copy of any Sewer Discharge Permit issued by the Water Services Corporation within 10 days of its issue.
- 2.2.3.2 The Operator shall follow the conditions of the Sewer Discharge Permit, as may be updated from time to time by the Water Services Corporation and the provisions of the Sewer Discharge Control Regulations (LN139 of 2002 as amended by LN378 of 2005 and as may be amended from time to time).
- 2.2.3.3 Rainwater shall be segregated from all process areas that are potentially contaminated with raw materials, intermediates and/or products. As far as possible, rainwater shall be reused.
- 2.2.3.4 Rainwater shall not be discharged into the sewer. The operator shall endeavour to collect rainwater in a suitable reservoir or cistern.
- 2.2.3.5 There shall be no emissions of trade effluent to sewer. Emissions shall only arise from the emission point specified in Table 2.2.3, as described in the IPPC application and shall only constitute emissions from sanitary facilities:

Table 2.2.3 : Emission point to sewer		
Emission point reference	Source	Location of emission point
EM9	Sewer discharge connection	Sewer discharge point

- 2.2.3.6 The operator shall monitor emissions to the sewer as may be directed by the Water Services Corporation from time to time. The Operator shall inform the Authority of any changes to the Sewer Discharge Permit of the installation or changes made by the Water Services Corporation to monitoring requirements or frequency of monitoring.
- 2.2.3.7 The operator shall report discharges to the sewer as part of the Annual Environmental Report of the installation, in addition to any other reporting requirements set by the Water Services Corporation.

2.2.4 Discharges to groundwater

- 2.2.4.1 No emission from the Permitted Installation shall give rise to the introduction into groundwater of any substance in List I and List II (as defined in the Regulations for The Protection of Groundwater against Pollution caused by Certain Dangerous Substances, 2002 (LN 203 of 2002)).
- 2.2.4.2 For substances other than those in List I or II (as defined in LN 203 of 2002), the Operator shall not allow any discharges to groundwater from the Permitted Installation without prior consent of the Malta Resources Authority.
- 2.2.4.3 The operations of the installation shall not hinder the achievement of good chemical and quantitative status of groundwater as prescribed under the Water Policy Framework Regulations, LN 194 of 2004.

2.2.5 Fugitive emissions of substances to air

2.2.5.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to air from the Permitted Installation, in particular from the:

- process areas
- storage areas, including solvent storage, raw materials storage and waste storage
- buildings
- pipes, valves and other transfer systems
- open surfaces

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5.2 The Operator shall use BAT so as to prevent or where that is not practicable to reduce emissions of litter from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5.3 A summary report on fugitive solvent emissions shall be submitted annually as part of the Annual Environmental Report of the installation and in the format specified in Schedule 2.

2.2.6 Fugitive emissions of substances to water and sewer

2.2.6.1 Subject to condition 2.2.6.2, the Operator shall use BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to water (including to groundwater) and sewer from the Permitted Installation, in particular from:

- All structures under or over ground
- Surfacing
- Storage areas
- Bunded areas.

2.2.6.2 There shall be no release to water that would cause a breach of an EQS (Environmental Quality Standard) established to implement the Dangerous Substances Directive 76/464/EEC (LN 213 of 2001) and daughter directives (LN 218 of 2001, LN 219 of 2001, LN 220 of 2001, LN 221 of 2001 and LN 227 of 2001) and any other directives regulating discharges into the aquatic environment.

2.2.6.3 The Operator shall undertake all necessary measures and precautions to prevent spillage of raw materials, intermediates, products, waste and any other materials.

2.2.6.4 Catchment pits and bunds on site must be tested and certified to be leak-proof by an independent, warranted civil engineer or engineer before any renewal of this IPPC permit. Such certification shall be also submitted as part of the AER by end of March after the end of each year when testing has occurred.

2.2.6.5 All process and storage areas must be appropriately contained. Any accidental release of substances shall be duly treated prior to discharge into the sewers, or disposed as described in the IPPC application if treatment does not enable compliance with emission limit values. Records shall be kept of such discharges, including the volume discharged and other parameters, as agreed with the Water Services Corporation, as per the Sewer Discharge Permit.

2.2.6.6 As part of the Annual Environmental Report of the Permitted Installation, the Operator shall submit the information detailed in Table S2.4.3 of Schedule 2, in the format specified therein, by end of March of each year.

2.2.6.7 The operations of the installation shall not hinder the achievement of good ecological status for surface waters as prescribed under the Water Policy Framework Regulations, LN 194 of 2004.

2.2.7 Odour

2.2.7.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce odorous emissions from the Permitted Installation, in particular by:

- limiting the use of odorous materials;
- restricting odorous activities;
- controlling the storage conditions of odorous materials;
- controlling processing parameters to minimise the generation of odour;
- optimising the performance of abatement systems;
- timely monitoring, inspection and maintenance;
- employing, where appropriate, an approved odour management plan;

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.7.2 There shall be no significant offensive odour, as perceived by an Authorised Officer of the Competent Authority, at sensitive locations.

2.2.8 Emissions to Land

2.2.8.1 This Part 2.2.8 of this Permit shall not apply to emissions to groundwater.

2.2.8.2 No emission from the Permitted Installation shall be made to land.

2.2.9 Noise and Vibration

2.2.9.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce emissions of noise and vibration from the Permitted Installation, in particular by:

- 2.2.9.1.1 equipment maintenance, e.g. circulating pumps, extraction fans, compressors.
- 2.2.9.1.2 use and maintenance of appropriate attenuation, eg. silencers, barriers, enclosures;
- 2.2.9.1.3 appropriate timing and location of noisy activities and vehicle movements;
- 2.2.9.1.4 periodic checking of noise emissions, either qualitatively or quantitatively; and
- 2.2.9.1.5 maintenance of building fabric.

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.9.2 Emergency generators/alarms/sirens/release valves shall only be tested between the hours of 10.00 and 17.00 Monday to Friday and not on any Public Holiday.

- 2.2.9.3 The level of noise emitted from the installation at all operational times shall not exceed the background noise level by 5dB.
- 2.2.9.4 Noise monitoring is to be carried out every 5 years to ensure that the above limits are not exceeded. Noise monitoring shall also be carried out upon commissioning of any new equipment which in the opinion of the Authority has the potential to significantly increase noise emissions from the installation. The locations shall be chosen and the measurements and assessment made according to BS 4142:1997.
- 2.2.9.5 The next noise monitoring exercise shall be carried out once the plant commences with the commercial production of Active Pharmaceutical Ingredients, but not later than 31 December 2015.
- 2.2.9.6 Following the execution of the noise monitoring exercise outlined in condition 2.2.9.5, the operator shall implement any suggested corrective actions which may arise from the results of such a report within a timeframe agreed upon with the Authority.
- 2.2.9.7 As part of the AER, records of noise monitoring of the previous year shall be submitted to the Competent Authority by not later than end of March after the end of each reporting year, in the format specified in Schedule 2 of this permit. A detailed report shall also accompany such results.

2.3 Management and Technically Competent Person

- 2.3.1 A copy of this Permit and those parts of the application referred to in this Permit shall be available at the place of work, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.

Training

- 2.3.2 The Permitted Installation shall be supervised and controlled by staff who are suitably trained and fully conversant with the requirements of this Permit.
- 2.3.3 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to effectively carry out their duties.
- 2.3.4 The Operator shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and on public health and shall keep records of all relevant training.

Maintenance

- 2.3.5 All plant and equipment used in operating the Permitted Installation shall be maintained in good operating condition.
- 2.3.6 The Operator shall maintain a record of plant and equipment covered by condition 2.3.5, and for such plant and equipment:
- 2.3.6.1 a written or electronic maintenance programme; and
- 2.3.6.2 records of its maintenance.
- 2.3.7 The operational effectiveness of filters (such as HEPA filters) for the control of particulate emissions of pharmaceutical raw materials intermediates and products shall be monitored by means of a pressure differential recorder or equally effective

means. Such recorders shall be visible to operators working on the equipment such that an out of range incident can be easily and immediately identified.

- 2.3.8 When HEPA filters are found to have reached the pressure alert limit indicated by the filter manufacturer, these shall be immediately replaced and where applicable, damaged filters shall be treated as hazardous waste as per LN 184 of 2011 (as amended).

Incidents and Complaints

- 2.3.9 The Operator shall maintain and implement written procedures for:
- 2.3.9.1 taking prompt remedial action, investigating and reporting to the Competent Authority actual or potential non-compliance with operating procedures or emission limits and if such events occur;
 - 2.3.9.2 investigating incidents, (including any malfunction, breakdown or failure of plant, equipment or techniques, down time, any short-term and long-term remedial measures and near-misses) and prompt implementation of appropriate actions; and
 - 2.3.9.3 ensuring that detailed records are made of all such actions and investigations.
- 2.3.10 The Operator shall record and investigate complaints concerning the Permitted Installation's effects or alleged effects on the environment and public health. The record shall give the date and nature of complaint, time of complaint, name of complainant (if given), a summary of any investigation and the results of such investigation and any actions taken.
- 2.3.11 As part of the Annual Environmental Report of the Permitted Installation, the Operator shall provide the information specified in Sections S2.5.1 and S2.5.2 of Schedule 2 by not later than end of March after the end of each reporting year.

Attendance of Technically Competent Person(s)

- 2.3.12 Attendance of the technically competent person(s) at the Site shall be recorded in the Site diary on arrival and departure.
- 2.3.13 For the whole operational hours permitted for the Site under this Permit, the Technically Competent Person/s or his/her/their delegate/s shall be physically in attendance at the Site. The Technically competent Person/s or his/her/their delegate has to be permanently present on site during the manufacture of APIs. The operator is to provide details as to how he/she intends to provide this coverage in order to take into account unavoidable absences due to vacation or sick leave. Details including Curriculum Vitae of the technically competent person/ and his/her/their delegate/s shall be provided to the Authority
- 2.3.14 Where the Site has been notified to the Authority as being either non-operational or closed, the Technically Competent Person shall be capable of attending the Site within one hour.

Changes in Technically competent Persons

- 2.3.15 Any changes in technically competent management (Person/s) and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Authority in writing within 5 working days of the change in management.

- 2.3.16 In the event of the death, dismissal, resignation, leave, or of extended sick leave of the Technically Competent Management of the Site, the Operator shall immediately inform the Authority, and prove to the Authority that the Operator is actively seeking a replacement.

2.4 Solvents

- 2.4.1 A monthly inventory of solvent usage shall be maintained on site.
- 2.4.2 Substances or preparations that are used in the installation and which, because of their content of VOCs are classified as carcinogens, mutagens or toxic to reproduction and are assigned or need to carry the risk phrases R45, R46, R49, R60, or R61, shall be replaced as far as possible and as soon as possible. Details of the substances that shall be used as replacements and timeframes for substitution shall be submitted to the Competent Authority for approval prior to substitution. A reduction programme shall be submitted to the Competent Authority on an annual basis together with the submission of the Annual Environmental Report.
- 2.4.3 The operator shall, annually as part of the Annual Environmental Report, report progress on substitution of substances referred to in Condition 2.4.2.
- 2.4.4 The operator shall, annually as part of the Annual Environmental Reports submit an updated list of the raw materials and generated waste streams being produced.

2.5 Waste

2.5.1 Waste storage and handling

- 2.5.1.1 The Operator shall use BAT in the design, maintenance and operation of all facilities for the storage and handling of waste on site such that there are no releases to water or land during normal operation and that emissions to air and risk of accidental release to water or land are minimised.

2.5.2 Waste recovery or disposal

- 2.5.2.1 The Operator shall be committed to reduce waste generation where possible.
- 2.5.2.2 Waste produced at the Permitted Installation shall be recycled, reused or recovered unless technically and/or economically impossible.
- 2.5.2.3 The Operator shall keep up to date records of all wastes. Such a system of record keeping shall include records of:
- 2.5.2.3.1 quantities of waste;
 - 2.5.2.3.2 information on the date of removal from site;
 - 2.5.2.3.3 European Waste Catalogue (EWC) code of the waste;
 - 2.5.2.3.4 Consignment Note number, in the case of hazardous wastes;
 - 2.5.2.3.5 description of the waste;
 - 2.5.2.3.6 the mode of transport and the names of the agent and transporter of the waste, together with the Waste Carrier Registration Number (GBR Number) where applicable;

- 2.5.2.3.7 information on where such wastes are deposited and the name of the person responsible for ultimate disposal or recovery;
- 2.5.2.3.8 whether wastes are recovered or disposed, and if they are recovered, the details of this process;
- 2.5.2.3.9 information on any treatment/s applied (before disposal/recovery).
- 2.5.2.4 Without prejudice to Condition 2.5.2.2, disposal of wastes including rejects, expired products, and other wastes are to be managed in accordance with the legal obligations of The Waste Regulations 2011, as published by S.L. 504.37, or any statutory provisions or regulations amending or replacing them. Off-site disposal or recovery of wastes may only take place at a facility licensed for that purpose.
- 2.5.2.5 Without prejudice to Condition 2.5.2.2, movement of hazardous waste to authorised facilities shall be covered by a valid consignment permit obtainable from the Competent Authority. Each movement shall also be covered by a consignment note obtainable from The Authority
- 2.5.2.6 Disposal certificates shall be kept on record and made available for inspection for a period of at least 5 years from date of their issue.
- 2.5.2.7 Without prejudice to Condition 2.5.2.2, shipment of hazardous waste outside the Maltese Islands is to follow the obligations listed in Council Regulation (EC) 1013/2006 of the European Parliament and of The Council of 14 June 2006 on shipments of waste and as amended from time to time.
- 2.5.2.8 As part of the Annual Environmental Report for the installation, the Operator shall produce a report on the off-site transfers of waste and wastes recycled/ recovered at the Permitted Installation over the previous calendar year, providing the information listed in Schedule 2.

2.6 Energy Efficiency

- 2.6.1 As part of the Annual Environmental Report, the Operator shall produce a report on the energy consumed at the Permitted Installation over the previous calendar year, by the end of March of each year, providing the information listed in Schedule 2. The energy consumption of the waste recovery unit is also to be included in this report.
- 2.6.2 The Operator shall maintain and operate the Permitted Installation so as to secure energy efficiency, in particular by:
- ensuring that the appropriate operating and maintenance systems are in place;
 - ensuring that all the plant is adequately insulated to minimise energy loss or gain;
 - ensuring that the type of lighting used is energy-efficient;
 - ensuring that all appropriate containment methods (e.g. seals) are employed and maintained to minimise energy loss;
 - maintaining and implementing an energy efficiency plan which identifies energy-saving techniques that are applicable to the activities and their associated environmental benefit, and prioritises them.

2.7 Accident prevention and control

- 2.7.1 In the case of an accident, the Operator shall follow the Emergency Plan submitted as part of the IPPC application, as may be updated from time to time.

- 2.7.2 The plan shall be reviewed at least every 2 years or as soon as practicable after an accident, whichever is the earlier, and the Authority notified of the results of the review within 2 months of its completion.
- 2.7.3 The Operator shall maintain and implement all health and safety measures in compliance with Act XXVII of 2000; Occupational Health and Safety Authority Chapter 424 and all relevant subsidiary legislation.
- 2.7.4 The Operator shall have sufficient employees trained to deal with any emergency that may arise, e.g. fire-fighting and first aid.
- 2.7.5 The Operator is to keep the Authority updated on any major changes in operations that may impact on the health and safety of the employees.
- 2.7.6 The Operator is to make available Health and Safety documentation freely available.

2.8 Monitoring

- 2.8.1 The Operator shall maintain and implement an emissions monitoring programme which ensures that emissions are monitored as specified in this Permit, and the results of such monitoring shall be assessed. The programme shall ensure that monitoring is carried out under an appropriate range of operating conditions, and that measurements for the determination of concentrations of substances specified in this Permit shall be carried out representatively.
- 2.8.2 Sampling and analysis of all pollutants, as well as reference measurement methods to calibrate automated, continuous measurement systems shall be carried out as specified by the appropriate CEN standards. If CEN standards are not available, ISO standards, national or international standards, which will ensure the provision of data of an equivalent scientific quality, as agreed in writing with the Authority, shall apply. In addition, VOC discharges shall be measured and assessed according to Regulation 8(2) of the Industrial Emissions (Limitation of Emissions of Volatile Organic Compounds) Regulations.
- 2.8.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme in condition 2.8.1 of this Permit shall be from a certified or accredited laboratory or laboratory in the process of accreditation, as confirmed by the National Accreditation Body (NAB-Malta). As part of the Annual Environmental Report, the operator shall provide evidence of certification or accreditation of laboratories used for the emissions monitoring programme.
- 2.8.4 The Operator shall maintain records of all monitoring taken or carried out (this includes records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys) and any assessment or evaluation made on the basis of such data, for at least a period of 5 years. Such records may be requested at any time by the Authority.
- 2.8.5 The Operator shall provide MEPA with monitoring reports as indicated in Section 4 of this permit.
- 2.8.6 There shall be provided safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points already mentioned in this Permit; and safe means of access to other sampling/monitoring points when required by the Authority.

2.9 Transport

- 2.9.1 Independent of any Environment Management System, the Operator shall be responsible for making use of the services of an ADR (The European Agreement concerning the International Carriage of Dangerous Goods by Road) certified carrier for transport of chemicals and hazardous wastes on land.
- 2.9.2 The Operator shall make use of the services of a registered waste carrier for the transport of waste (including brine) from the site in accordance with LN 106/2007.
- 2.9.3 As part of the AER, the operator shall submit the name of each carrier used in the transport of the substances specified in Conditions 2.9.1 and 2.9.3, in the format specified in Schedule 2 of this Permit, by end of March after the end of each reporting year.

2.10 Ozone Depleting Substances and Fluorinated Greenhouse Gases

- 2.10.1 All maintenance and servicing of equipment containing Ozone Depleting Substances shall abide by the requirements of Regulation (EC) No. 1005/2009 on substances that deplete the Ozone Layer & L.N. 280 of 2010 on substances that deplete the ozone layer, Regulations 2010. No new equipment or components containing substances falling within the scope of this legislation shall be installed within the site.
- 2.10.2 The use of HCFCs in the maintenance and servicing, in particular refilling, or products and equipment whose function relies on such substances shall be prohibited.
- 2.10.3 All installation, maintenance and servicing of equipment containing Fluorinated Greenhouse Gases shall abide by the requirements of Commission Regulation (EC) Nos 1493/2007, 1516/2007, 1494/2007, 1497/2007, 303/2008, 304/2008, 305/2008, 306/2008, 308/2008, Regulation (EU) No. 517/2014 on Fluorinated Greenhouse Gases and repealing Regulation (EC) No. 842/2006, and L.N. 93 of 2010 on Certain Fluorinated Greenhouse Gases, Regulations 2010.
- 2.10.4 For all equipment installed on site utilising Ozone Depleting Substances or Fluorinated Greenhouse Gases, information pertaining to installation, maintenance and servicing shall be provided as part of the AER in format specified in Schedule 2. When any equipment is replaced by new equipment, the Authority shall be notified in this regard and details provided on the new equipment installed.
- 2.10.5 Upon decommissioning of all equipment containing foam and insulation panels containing substances falling within the scope of EC Regulation No. 1005/09 on substances that deplete the Ozone Layer & L.N. 280 of 2010 on substances that deplete the ozone Layer, regulations 2007, together with EC Regulation No. 842/2006 on certain Fluorinated Greenhouse Gases, the waste gas should be treated as hazardous waste and any foam containing components need to be disposed of at specialised facilities where possible ODS/F gas can be extracted prior to disposal.
- 2.10.6 No new equipment or components containing substances falling within the scope of EC Regulation No. 1005/2009 on substances that deplete the Ozone Layer & L.N. 280 of 2010 on substances that deplete the Ozone Layer, regulations 2007, shall be installed within the site.

2.11 Closure and Decommissioning

- 2.11.1 The Operator shall maintain and operate the Permitted Installation so as to prevent or minimise any pollution and public health risk, including the generation of waste, on closure and decommissioning in particular by:-
- 2.11.2.1 Attention to the design of new plant or equipment;
 - 2.11.2.2 The maintenance of a record of any events which have, or might have, impacted on the condition of the site along with any further investigation or remediation work carried out; and
 - 2.11.2.3 The maintenance of the preliminary site closure plan to demonstrate that the installation can be decommissioned avoiding any pollution and public health risk and returning the site of operation to a satisfactory state.
- 2.11.2 The Operator shall carry out a full review of the Site Closure Plan at least every 4 years.
- 2.11.3 The Operator shall notify the Authority immediately upon a decision being taken to decommission the site.
- 2.11.4 A finalised version of the Site Closure Plan shall be submitted to the Authority for approval not later than 10 days after the Authority is notified of the intention to decommission the site.
- 2.11.5 The approved Site Closure Plan shall be implemented on final cessation or decommissioning of the Permitted activities or part thereof.

2.12 Multiple Operator installations

- 2.12.1 This is not a multi-Operator installation.

2.13 Storage

- 2.13.1. Chemicals of different properties shall be stored as specified in respective MSDS sheets. Such sheets shall be made available and accessible to personnel responsible for the management of the storage areas and for inspection by the Competent Authority. Incompatible chemicals shall not be stored within the same bund.
- 2.13.2. Containers for bulk storage of chemicals shall be properly designed, located, labelled, banded and maintained so as to prevent accidental spillage. The capacity of the bund shall be a minimum of 110% of the largest tank within the bund or 25% of the total capacity of all the tanks within the bund, whichever is the greater.
- 2.13.3. Independent of any Environment Management System, the Operator shall be responsible for making use of the services of an ADR (The European Agreement concerning the International Carriage of Dangerous Goods by Road) certified carrier for transport of chemicals and hazardous wastes on land.

- 2.13.4. Bulk storage tanks for chemicals and associated bunding and pipe work shall be visually inspected at least once a month. Records of such checks shall be kept and made available to the Competent Authority upon request...
- 2.13.5. The Authority reserves the right to request that catchment pits and bunds on site be tested and certified to be leak-proof by an independent, warranted architect or engineer.
- 2.13.6. All fuels on site shall be stored in tanks which comply with relevant MRA standards.

3 Records

- 3.1 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:-
 - 3.1.1 be made available for inspection by the Authority at any reasonable time;
 - 3.1.2 be supplied to the Authority on demand and without charge and in the format requested;
 - 3.1.3 be legible;
 - 3.1.4 be made as soon as reasonably practicable;
 - 3.1.5 indicate any amendments which have been made and shall include the original record wherever possible; and
 - 3.1.6 be retained at the Permitted Installation, or other location agreed by the Authority in writing, for a minimum period of 5 years from the date when the records were made, unless otherwise agreed in writing.

4 Reporting

- 4.1 All reports and written and/or oral notifications required by this Permit and notifications required by Regulation 7 of the Industrial Emissions (IPPC) Regulations shall be made and sent to the Authority using the contact details notified in writing to the Operator by the Authority.
- 4.2 The Operator shall submit to the Authority an Annual Environmental Report (AER) of the previous year to the Competent Authority by the end of March of each year. The AER shall contain all the information listed in Schedule 2 of this Permit and in the format specified therein, subject to the other conditions of this permit.
- 4.3 The European Pollutant Release and Transfer Register (E-PRTR) report for the installation shall be submitted as part of the Annual Environment Report, by end of March of each year, or as required by Legislation. All quantities shall be reported, even when these do not exceed the thresholds mentioned in EC Regulation 166/2006. The format used for reporting shall be that established by Legislation, notably Legal Notice 152 of 2007, as may be amended from time to time.
- 4.4 The Operator shall, within 6 months of receipt of written notice from the Authority, submit to the Authority a report assessing whether all appropriate preventive measures continue to be taken against pollution, in particular through the application of the best available techniques, at the installation. The report shall consider any relevant published technical guidance current at the time of the notice which is either supplied with or referred to in the notice, and shall assess the costs and benefits of

applying techniques described in that guidance, or otherwise identified by the Operator, that may provide environmental improvement.

5 Notifications

5.1 The Operator shall notify the Authority without delay of:-

- 5.1.1 the detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
- 5.1.2 the detection of any fugitive emission which has caused, is causing or may cause significant pollution and/or a public health risk unless the quantity emitted is so trivial that it would be incapable of causing significant pollution and/or a public health risk;
- 5.1.3 the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause significant pollution and/or public health risk; and
- 5.1.4 any accident which has caused, is causing or has the potential to cause significant pollution and/or public health risk.

5.2 The Operator shall submit written confirmation to the Authority of any notification under condition 5.1.1, by sending:-

- 5.2.1 the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
- 5.2.2 the more detailed information listed in Part B of Schedule 1 as soon as practicable thereafter;
- 5.2.3 the information listed in Table S2.5.1 of Schedule 2 according to the timeframe specified in Condition 4.1.2;

and such information shall be in accordance with that Schedule.

5.3 The Operator shall give written notification as soon as practicable prior to any of the following:-

- 5.3.1 permanent cessation of the operation of part or all of the Permitted Installation;
- 5.3.2 cessation of operation of part or all of the Permitted Installation for a period likely to exceed 1 year; and
- 5.3.3 resumption of the operation of part or all of the Permitted Installation after a cessation notified under condition 5.1.3.2.

5.4 The Operator shall notify the Authority, as soon as practicable, of any information concerning the state of the site which affects or updates that provided to the Authority as part of the Site Report submitted with the application for this Permit.

5.5 The Operator shall notify the following matters to the Authority in writing within 10 working days of their occurrence:-

- 5.5.1 Where the Operator is a registered company:-

- 5.5.1.1 any change in the Operator's trading name, registered name or registered office address;
- 5.5.1.2 any change to particulars of the Operator's ultimate holding company (including details of an ultimate holding company where an Operator has become a subsidiary); and
- 5.5.1.3 any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up.
- 5.5.2 Where the Operator is a corporate body other than a registered company:
 - 5.5.2.1 any change in the Operator's name or address; and
 - 5.5.2.2 any steps taken with a view to the dissolution of the Operator.
- 5.5.3 In any other case: -
 - 5.5.3.1 the death of any of the named Operators (where the Operator consists of more than one named individual);
 - 5.5.3.2 any change in the Operator's name(s) or address(es);
 - 5.5.3.3 any steps taken with a view to the Operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case them being in a partnership, dissolving the partnership.

6 Interpretation

- 6.1 In this Permit, the following expressions shall have the following meanings:-
 - 6.1.1 "*AER*" means the Annual Environmental Report.
 - 6.1.2 "*Application*" means the application for this Permit, together with any response to a notice served under Regulation 5 to the Industrial Emissions (IPPC) Regulations and any operational change agreed under the conditions of this Permit.
 - 6.1.3 "*Authorised Officer*" means any officer of the Authority.
 - 6.1.4 "*Background concentration*" means such concentration of that substance as is present in:
 - 6.1.4.1 water supplied to the site; or
 - 6.1.4.2 where more than 50% of the water used at the site is directly abstracted from ground or surface water on site, the abstracted water; or
 - 6.1.4.3 where the Permitted Installation uses no significant amount of supplied or abstracted water, the precipitation onto the site.
 - 6.1.5 "*BAT*" means best available techniques, which means the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent and where that is not practicable to reduce emissions and the impact on the

environment as a whole. For these purposes: “available techniques” means “those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced in Malta, as long as they are reasonably accessible to the operator”; “best” means “in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole” and “techniques” “includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.”

- 6.1.6 “*Fugitive emission*” means an emission to air or water (including sewer) from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 2.2.1, 2.2.2, 2.2.3, or 2.2.4 of this Permit.
- 6.1.7 “*Groundwater*” means all water which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.
- 6.1.8 “*Industrial Emissions (IPPC) Regulations*” means the Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (LN 10 of 2013) and words and expressions defined in the Industrial Emissions (IPPC) Regulations shall have the same meanings when used in this Permit save to the extent they are specifically defined in this Permit. It shall include any future amendments or superseding legislation.
- 6.1.9 “*Malta*” means the Island of Malta, the Island of Gozo and the other islands of the Maltese Archipelago, including the territorial waters thereof.
- 6.1.10 “*Monitoring*” includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.
- 6.1.11 “*Permitted Installation*” means the activities and the limits to those activities described in Table 1.1.1 of this Permit.
- 6.1.12 “*Sewer*” means sewer within the meaning of section 219(1) of the Water Industry Act 1991.
- 6.1.13 “*Staff*” includes employees, directors or other officers of the Operator, and any other person under the Operator’s direct or indirect control, including contractors.
- 6.1.14 “*Technically Competent Person*” means a person possessing the qualifications, experience and technical competence to abide by the conditions of the Permit;
- 6.1.15 “*Technically Competent Management*” means the Technically Competent Person or Persons in control of the day-to-day activities authorised by the Permit and carried on at the Site;
- 6.1.16 “*The Authority*” or “*the Competent Authority*” or “*MEPA*” means the Malta Environment and Planning Authority or such other body or person as the Minister responsible for the environment may by order in the Gazette prescribe;
- 6.1.17 “*The Operator*” means a person who is in occupation of the Site and has responsibility for carrying out day to day activities at the Site;

- 6.1.18 "*The Regulations*" means the Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (LN 10 of 2013) and any regulations amending or replacing them;
- 6.1.19 "*The Site*" means the land, structures, plant and equipment to which this Permit relates;
- 6.1.20 "*VOC*" means Volatile Organic Compound as defined by the Industrial Emissions (Limitation of Emissions of Volatile Organic Compounds) Regulations (LN 12 of 2013, as may be amended from time to time);
- 6.1.21 "*VOC Solvents Regulations*" means the Industrial Emissions (Limitation of Emissions of Volatile Organic Compounds) Regulations (LN 12 of 2013, as may be amended from time to time);
- 6.1.22 "*Year*" or "*reporting year*" means calendar year ending 31 December.
- 6.2 Where a minimum limit is set for pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.
- 6.3 Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means:-
 - 6.3.1 in relation to gases from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
 - 6.3.2 in relation to gases from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.
- 6.4 Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.

Schedule 1

Notification of abnormal emissions and significant adverse environmental effects

This page outlines the information that the Operator must provide to satisfy conditions 5.1.1 and 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the Industrial Emissions (IPPC) Regulations.

Part A

Permit Number	
Name of Operator	
Location of Installation	
Location of the emission	
Time and date of the emission	

Substance(s) emitted	Media (e.g. air, groundwater)	Best estimate of the quantity or the rate of emission (include units)	Time between which the emission took place

Measures taken, or intended to be taken, to stop the emission	
---	--

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm to human health which has been or may be caused by the emission.	
The dates of any unauthorised emissions from the installation in the preceding 24 months.	

Name ⁱ	
I.D. Card No./Passport No.	
Post	
Signature	
Date	

ⁱ authorised to sign on behalf of Operator

Schedule 2

Annual Environmental Report

Important note

By this submission, you confirm that you give your explicit consent for the entire contents of this Annual Environment Report to be made available on the Authority's public website.

S2.1 Introduction

IPPC Permit Number	
Reporting Year	
Name and location of Site	
Brief description of activities at the site	

S2.2 Environment Management System & Reporting

Please attach a supporting document with the following:

1. Environmental Policy containing the installation's environmental objectives and targets;
2. Environmental Management Programme report (for the reporting year);
3. Environmental Management Programme proposal (for the following year);
4. European Pollutant Release and Transfer Register Report (as per Condition 4.1.3) ⁱ.

Tick (✓)

S2.3 Process Data**S2.3.1 Annual Summary**

	Units	Previous reporting year ⁱⁱ	Current reporting year
Quantity of product	tonnes		
Total Annual Energy Consumption (from electricity and other sources)	MWh		
Electricity from renewable energy sources	MWh		
Energy consumption per unit product	MWh/tonne of product		
Annual water consumption	m ³		
Water consumption per unit product	m ³ /tonne of product		
Annual quantity of waste produced	tonnes		
Waste produced per unit product	tonne waste/tonne product		

ⁱ The format used for reporting shall be that published in the Government Gazette (<http://www.doi.gov.mt/EN/gazetteonline/2007/07/gazts/GG%2013.7.pdf>)

ⁱⁱ "Previous reporting year" is not applicable for the first reporting year (2009)

S2.3.2 Fuel consumption

	Units	Sulphur Content ⁱ	Consumption	
			Previous Year	Current Year
Heavy Fuel Oil	m ³			
Light Fuel Oil	m ³			
Natural gas	m ³			

S2.3.3 List of Raw Materials

Raw Material	Risk phrase	Annual Quantity Used (kg)

S2.3.4 Data on ozone depleting substances and fluorinated greenhouse gases

Table 1: Registration of equipment

Equipment code	Type of equipment	Use	Charge (kg) /CO ₂ (eq)	Type of substance
EQ 1				
EQ 2				
EQ 3				
EQ 4				

Table 2: Maintenance Schedule ⁱⁱ

Data Submitted for each scheduled inspection ⁱⁱⁱ	Equipment Code							
	EQ 1	EQ 2	EQ 3	EQ 4	EQ 5	EQ 6	EQ 7	Continue as required
Date of inspection								
All amounts of leakages detected (in Kg/CO ₂ equiv ^{iv})								
Actions taken to eliminate such leakages								
Quantity and nature of the substances involved								
Serial number of the personnel involved								
Quantities added ^v and/or recovered (in Kg/ CO ₂ equiv).								

ⁱ Specify units (e.g. as percentage, or mg/kg)

ⁱⁱ (a) for equipment that contains fluorinated greenhouse gases in quantities of 5 tonnes of CO₂ equivalent or more, but of less than 50 tonnes of CO₂ equivalent: at least every 12 months; or where a leakage detection system is installed, at least every 24 months; (b) for equipment that contains fluorinated greenhouse gases in quantities of 50 tonnes of CO₂ equivalent or more, but of less than 500 tonnes of CO₂ equivalent: at least every six months or, where a leakage detection system is installed, at least every 12 months; (c) for equipment that contains fluorinated greenhouse gases in quantities of 500 tonnes of CO₂ equivalent or more: at least every three months or, where a leakage detection system is installed, at least every six months.

ⁱⁱⁱ Table to be repeated for every scheduled inspection as per 'footnote 1' above

^{iv} Carbon Dioxide equivalent – use annex 1 for calculation

^v The quantities of added fluorinated greenhouse gases are from recycled or reclaimed stocks, please include the name and address of the recycling or reclamation facility and, where applicable, the certificate number

S2.4 Monitoring Data

S2.4.1 Emissions to air

Parameter	Emission point reference	Limit Value	Standard methodology used	Total annual number of exceedances ⁱ		Concentration (Annual Average)			Total Annual Load		
				Previous year ⁱⁱ	Present year	Unit	Previous year	Present year	Unit	Previous year	Present year
VOC as Carbon	EM1	20 mgC /Nm ³				mgC/m ³			kg		
	EM4	20 mgC /Nm ³				mgC/m ³			kg		
VOCs: R45, R46, R49, R60 or R61 (H340, H350, H350i, H360D, or H360F) where mass flow of sum of compounds ≥ 10 g/h ⁱⁱⁱ	EM1	2 mg/Nm ³		iv		mgC/Nm ³			kg		
	EM4	2 mg/Nm ³		v		mgC/Nm ³			kg		
Halogenated VOCs: R40 or R68 (H341 or H351) where mass flow of sum of compounds ≥ 100 g/h ^{vi}	EM1	20 mgC/Nm ³		v		mgC/Nm ³			kg		
	EM4	20 mgC/Nm ³		v		mgC/Nm ³			kg		
NH ₃	EM1	0.1-10mg/m ³				mg/m ³			kg		
HCl	EM1	0.2 – 7.5 mg/Nm ³				mg/m ³			kg		
Carbon Monoxide	EM5	Mass concentration of 80 g/m ³				g/m ³			kg		
	EM6	Mass concentration of 80 g/m ³				g/m ³			kg		
Total Particulate Matter	EM5	50 mg/m ³				mg/m ³			kg		
	EM6	50 mg/m ³				mg/m ³			kg		
Oxides of Nitrogen	EM1	50 µg/ m ³				µg/ m ³			Kg		
	EM5	0.35g/m ³				g/m ³			kg		
	EM6	0.35g/m ³				g/m ³			kg		

Name of laboratory where tests in this section have been carried out	
Is this laboratory accredited (certified) for the above tests?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Additional documentation to be submitted:

Accreditation certificate(s) of laboratory

Calculations showing mass flow of VOCs with risk phrases R45, R46, R49, R60, or R61 (H340, H350, H350i, H360D, or H360F) where mass flow of sum of compounds < 10 g/h

Calculations showing mass flow of halogenated VOCs with risk phrases R40 or R68 (H341 or H351) where mass flow of sum of compounds < 100 g/h

Tick (✓)

S2.4.2 Cooling tower monitoring

Parameter	Timeframe	Standard methodology used	Result	
			Previous year vii	Present year
Heterotrophic colony count	1 st month			
	2 nd month			
	3 rd month			
	4 th month			
	5 th month			
	6 th month			
	7 th month			
	8 th month			
	9 th month			
	10 th month			
	11 th month			
	12 th month			
<i>Legionella</i>	1 st six months			
	2 nd six months			

Name of laboratory where tests in this section have been carried out	
Is this laboratory accredited (certified) for the above tests?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Additional documentation to be submitted:

Tick (✓)

Accreditation certificate(s) of laboratory

S2.4.3 Discharges to sewer

Parameter ^{viii}	Limit ^{viii}	Standard methodology used	Total annual number of exceedances ^{ix}		Concentration (Annual Average)			Total Annual Mass Emissions		
			Previous year	Present year	Units	Previous year	Present year	Units	Previous Year	Present Year
Volume			-	-	-	-	-	m ³		

Name of laboratory where tests in this section have been carried out	
Is this laboratory accredited (certified) for the above tests?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Additional documentation to be submitted:

 Accreditation certificate(s) of laboratory Tick (✓) ☐

S2.4.4 VOC solvents**S2.4.4.1 Total/ Fugitive emissions of solvents ^x (tick as applicable)****Total Emission Limit Value Option**

Tick (✓)

☐

	Annual quantity	Units
VOC solvent input		
Fugitive VOC solvent emissions		
% fugitive VOC solvent emissions		%

Fugitive and Waste gas Emission Limit Value Option

Tick (✓)

☐

	Annual quantity	Units
VOC solvent input		
Fugitive VOC solvent emissions		
% fugitive VOC solvent emissions		%

S2.4.4.2 VOCs used in the installation with specific risk phrases:

Risk phrase	Name of VOC substance(s) used
R45 (H340)	
R46 (H350)	
R49 (H350i)	
R60 (H360D)	
R61 (H360F)	

Additional documentation to be submitted:

Tick (✓)

Mass balance for total/fugitive emissions

Progress on substitution of above VOC substances

☐**S2.4.5 Noise monitoring^{xi}**

Year when noise monitoring was last carried out	
Testing due in (year)	

Additional documentation to be submitted if test was carried out during previous reporting year:

Tick (✓)

Noise monitoring report according to BS 4142:1997

☐

S2.4.6a Off-site transfers of waste

Date of transfer	EWC Code ^{xii}	Description of waste	Quantity of waste (in kg)	Treatment applied before transfer	Mode of transport	Names of agent & transporter of waste (GBR Number)	Ultimate destination (address) of waste	Consignment note number ^{xiii}	Name of person responsible for ultimate disposal/recovery	Disposal/Recovery	Details of Recovery (if applicable)

S2.4.6b On-site recycling/recovery of wastes

EWG Code	Description of Waste	Amount Recycled or recovered (in kg)	Recycling or Recovery

S2.4.7 Testing of catchment pits and bunds (on both A50 and A61)

Number of catchment pits on site	
Number of bunds on site	
Date of last test	
Testing due on (date)	

Additional documentation to be submitted if test was carried out during previous reporting year:

Certification by warranted engineer Tick (✓)
☐

S2.5 Incidents and Complaints**S2.5.1 Non-Compliance Incidents during Reporting Year**

Date of incident	Brief description of Incident	Cause	Corrective action

Total number of non-compliance incidents for previous year:^{xiv}

Total number of non-compliance incidents for current reporting year:

S2.5.2 Complaints made by the public

Date of Complaint	Description of complaint	Actions taken

Total number of complaints for previous year:ⁱ

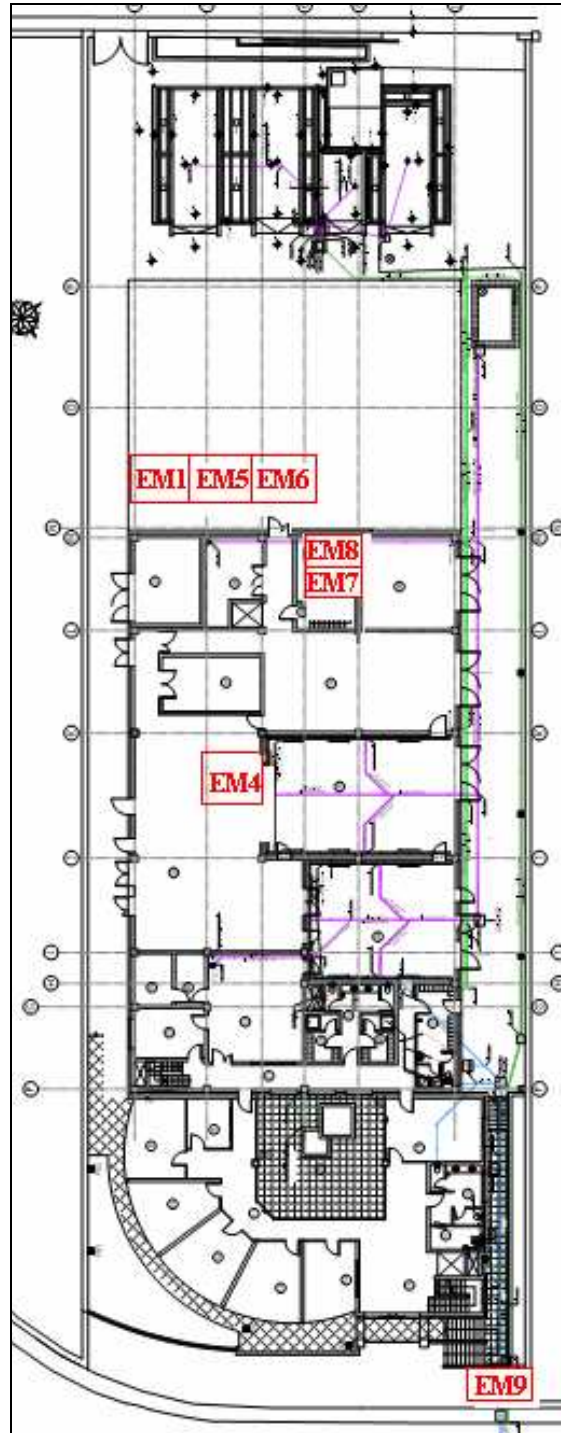
Total number of complaints for current reporting year:

S2.6 Transport

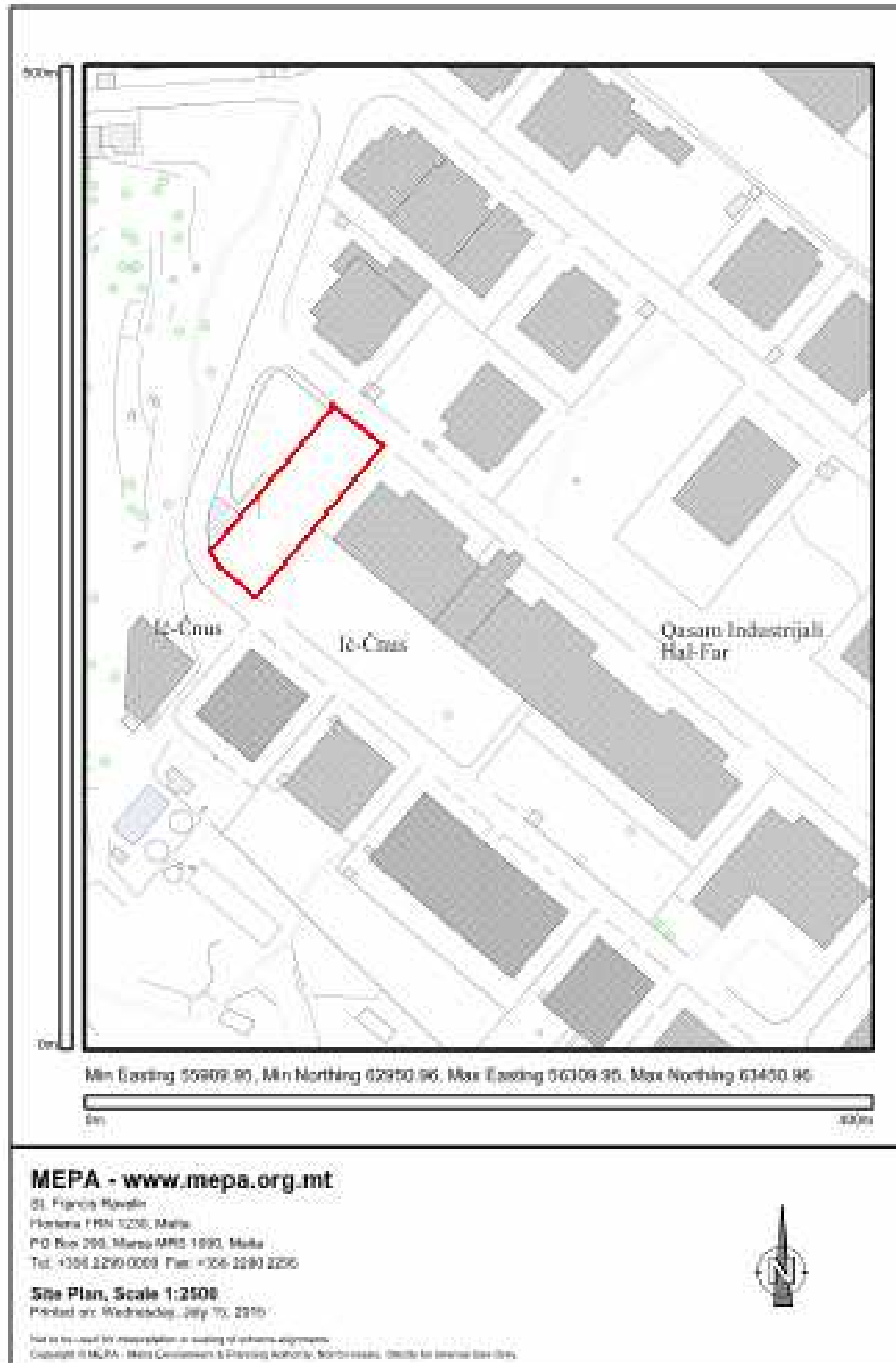
Name of registered waste carrier used during reporting year	Waste type(s) transported

Schedule 3A

Effluent and Air Emission Points



Schedule 3B Site Plan



END OF PERMIT

Copy of Original Decision Notice



Mr. Gorg Cilia
obo MIP Ltd
UB8 San Gwann Industrial Estate
San Gwann

Date: 15 Oct 2010
Our Ref: PA/04236/08

Application Number: PA/04236/08
Application Type: Full development permission
Date Received: 29 August 2008
Approved Documents: PA4236/08/1C/55A/55B/55C/55D/55E/55F/29C/29D/29F/29I.
Accessibility Audit report PA 4236/08/61A
Fire Safety and Ventilation Report PA 4236/08/69
Location: Factory HF 51, Qasam Industrijali, Hal Far
Proposal: Factory at Hal Far for Sterling Chemicals Ltd. This excludes the installation of a plant and operation as an API for manufacturing which is subject to a separate permit.

Development Planning Act, 1992 Full Development Permission

The Malta Environment & Planning Authority hereby grants development permission in accordance with the application and plans described above, subject to the following conditions:

- 1 a) This permit is being issued exclusively for the construction of the factory premises and for the use of the site for research and development and administration only. The manufacturing of commercial quantities of APIs is not allowed, unless a separate development permit and IPPC permit has been obtained from the MEPA.
- b) The development permit is strictly without prejudice to any additional requirements (e.g. ancillary infrastructure & modifications to the approved development) as may be required in connection with the operational permit. Depending on the nature of the requirements in question, a new or amended development permit application may also be required.
- c) Any modifications to the approved development shall not be exempted from any EIA, IPPC permit or other legal requirement.
- d) A list of all chemicals used including quantities kept on premises together with production quantities shall be made available for inspection at any time upon request of MEPA.
- e) No discharge point for any type of effluent to land, storm drains or sea is allowed, unless specifically approved under a permit issued by MEPA.

PA/04236/08

Print Date: 15/10/2010

MALTA ENVIRONMENT & PLANNING AUTHORITY
L-AWTORITA' TA' MALTA DWAR L-AMBIENT U L-IPPJANAR

P.O. BOX 200, MARSA MRS 1000, MALTA
TEL: (+356) 2290 0000 • FAX: (+356) 2290 2295
<http://www.mepa.org.mt> • email: enquiries@mepa.org.mt

f) Foul sewer drains must be strictly segregated from storm water drains.

g) All discharges to the foul sewer, including process effluents and wash waters (e.g. Contaminated with industrial detergents etc.), shall comply with the requirements of a license issued by the Water Services Corporation. Any grease trap or sedimentation tank or other equipment specified by the WSC shall be adequately sized.

h) All operations concerning the management of waste during the construction phase are subject to the legal provisions of Legal Notice 337 Waste Management (Permit and Control) Regulations of 2001 and Legal Notice 106 Waste Management (Activity Registration) Regulations, 2007. Wastes are to be separated according to the different waste streams as per EWC codes and disposed of in facilities permitted to receive such waste as per provisions of Legal Notice 337 Waste Management (Permit and Control) Regulations of 2001.

i) Inert waste material resulting from excavations or from demolition may be reused as fill material or shall be deposited at facilities permitted by MEPA and in accordance with the legal provisions laid down in LN 337 Waste Management (Permit and Control) Regulations of 2001 and LN 106 Waste Management (Activity Registration) Regulations, 2007.

2 Prior to the issuing of this development permit the applicant shall submit a financial planning contribution of €4,467 which will be used in the EIPP Partnership Programme.

3 The following conditions are imposed by the Department of Environmental Health:

(a) All building and sanitary laws and regulations are complied with;

(b) Toilet rooms and anterooms are to be naturally or mechanically ventilated;

(c) Rainwater from reservoir may be used for the flushing of WCs but is not be used for personal hygiene;

(d) Floors are to be of an impervious material, and easy to clean and precautions are to be taken in the event of spillages of chemicals;

(e) Chemicals are to be kept segregated and in a bonded area;

(f) Water washing reservoirs are to be of an impervious material and of adequate size.;

(g) Any generated noxious fumes, gases, dusts, powders etc are to be controlled by means of an adequate ventilation system and are not to be discharged into the atmosphere.

(h) All necessary measures are to be taken to prevent the causing of nuisance to neighboring properties (factories) and their personnel by means of fumes, gases, dust, steam odour, noise and vibrations both during the construction phase and afterwards.

(i) If cooling towers are constructed, applicant is to abide by Legal Notice 5 of 2006 –

Control of Legionella Regulations and LN6 of 2006 - Registration of Cooling Towers and Evaporative Condensers.

The applicant shall consult Department of Environmental Health during the construction phase of the development hereby approved, to ensure that the development is carried out in conformity with the conditions imposed by the Department of Environmental Health.

4 The following conditions are imposed by the Malta Resources Authority:

a) There should be no direct or indirect discharges of effluents into the environment or groundwater in particular. These effluents will include all substances which have a deleterious effect on the physical and chemical composition of groundwater, and compounds liable to cause the formation of such substances in groundwater such as to render it unfit for human consumption; and

b) All necessary permits relating to discharge to the government sewers should be obtained from the Water Services Corporation.

c) The MRA reserves the right to inspect the premises as and when required; and take any action in case of any infringement of these conditions.

The applicant shall consult Malta Resources Authority during the construction phase of the development hereby approved, to ensure that the development is carried out in conformity with the conditions imposed by the Malta Resources Authority.

5 Landscaping of the site shall be implemented in its entirety within the first planting season following completion of the development hereby approved, in accordance with the details submitted with the application unless the prior approval in writing of the Malta Environment & Planning Authority has been obtained to depart from these details. No compliance certificate (partial or full) shall be issued on part, or the whole, of the development hereby approved prior to the implementation of the landscaping scheme in its entirety.

6 The development shall be constructed in conformity with the provisions set out in the accessibility audit report (approved document PA4236/08/61A).

7 There shall be no service pipes, cables or wires visible on the front elevation or on any other elevations of the building which are visible from the street.

8 Air conditioning units shall not be located on the facades of the building which are visible from a public space. Any such units located at roof level shall be set back from the facade by at least 1 metre.

9 a) This development permission is valid for a period of FIVE YEARS from the date of this notice but will cease to be valid if the development is not completed by the end of this five year period.

b) It should be noted that a third party may have the right of appeal against this

permission. Any development which is carried out when such an appeal has been made, or until the time limit for the submission of such an appeal has expired, is undertaken at the risk that this permission may be revoked by the Planning Appeals Board or quashed by the Court of Appeal.

c) This development permission does not remove or replace the need to obtain the consent of the land/building owner to this development before it is carried out. Furthermore, it does not imply that consent will necessarily be forthcoming nor does it bind the land/building owner to agree to this development. Where the land/building is owned or administered by the Government of Malta a specific clearance and agreement must be obtained for this development from the Land and/or Estate Management Departments.

d) All works shall be carried out strictly in accordance with the approved plans and the conditions of this permission. Where a matter is not specified on the plans then the conditions of this permission and of Development Control Policy and Design Guidance shall take precedence and modify the plans accordingly.

e) All building works shall be erected in accordance with the official alignment and proposed/existing finished road levels as set out on site by the Malta Environment & Planning Authority's Land Surveyor. The Setting Out Request Notice must be returned to the Land Survey Unit of the Malta Environment & Planning Authority when the setting out of the alignment and levels is required.

f) Before any part of the development hereby permitted commences, the enclosed green copy of the Development Permit shall be displayed on the site. This must be mounted on a notice board, suitably protected from the weather and located not more than 2 metres above ground level at a point on the site boundary where it is clearly visible and can be easily read from the street. The copy of the permit must be maintained in a good condition and it shall remain displayed on the site until the works are complete.

g) The enclosed Commencement Notice shall be returned to the Malta Environment & Planning Authority so that it is received at least five days prior to the commencement of the development hereby permitted.

h) Copies of all approved plans and elevations shall be available for inspection on site by Malta Environment & Planning Authority staff at all reasonable times.

i) Where the street bordering the site is unopened, it shall be opened up prior to the commencement of the building operations hereby permitted.

j) The Enforcement Unit of the Malta Environment & Planning Authority shall be notified prior to the commencement of the following stages of the development : construction of the foundations; roofing over the last basement level; roofing over the first level above ground level.

k) The height of the building shall not exceed the height as indicated on the approved drawings PA4236/08/55E

l) A water cistern with a volume in cubic metres of 60% of the total roof area (in square metres) of the building(s) shall be constructed to store rainwater run-off from the built-up area of the development. This cistern shall be completed and available for use prior to the development hereby permitted being first brought into use.

m) The development hereby permitted shall not be brought into use until the Final Compliance (Completion) Certificate, certifying that the development has been carried out in full accordance with the plans approved by this permission and with the other conditions imposed in this permission, has been issued by the Malta Environment & Planning Authority.

n) Apertures and balconies shall not be constructed of gold, silver or bronze aluminium.

o) The facade of the building shall be constructed in local stone, except where other materials, finishes and colours are indicated on the approved plans and drawings.

p) Where applicable hoarding should be erected in accordance with Schedule 2 of the Environmental Management Construction Site Regulations, LN 295 of 2007

q) The permit is issued on condition that, where applicable, any excavation shall be subject to the requirements of the Civil Code regarding neighbouring tenements.

r) Any soil on the site shall not be built over but shall be collected for reuse. A permit from the Director of Agriculture is required to remove the soil from the site. All soil shall be deposited at the place indicated by the Director of Agriculture; and authorisation by the Environment Protection Directorate shall also be required prior to any deposition on open or undeveloped land unless located within officially approved development zones. Contaminated soils (if any) are to be managed/disposed of in accordance with the legal provisions laid down in Legal Notice 337 Waste Management (Permit and Control), Regulations, 2001 and L.N. 168 Waste Management (Landfill) Regulations, 2002 and its amendments.

s) Where applicable, the development, hereby permitted, shall be carried out in accordance with the provisions of the Environmental Management Construction Site Regulations, LN 295 of 2007.

t) This permission relates only to the additions and alterations specifically indicated on the approved drawings. This permission does not sanction any illegal development that may exist on the site.

Should the site fall within areas designated as HOS and property originating from the Housing Authority, this permit does not exonerate the applicant from obtaining the necessary clearances from the same Authority.

This permit is granted saving third party rights. The applicant is not excused from obtaining any other permission required by law. The applicant should contact the following regarding the location and provision of services prior to commencing development:- Enemalta, Water Services Corporation and Cable Network Operators.

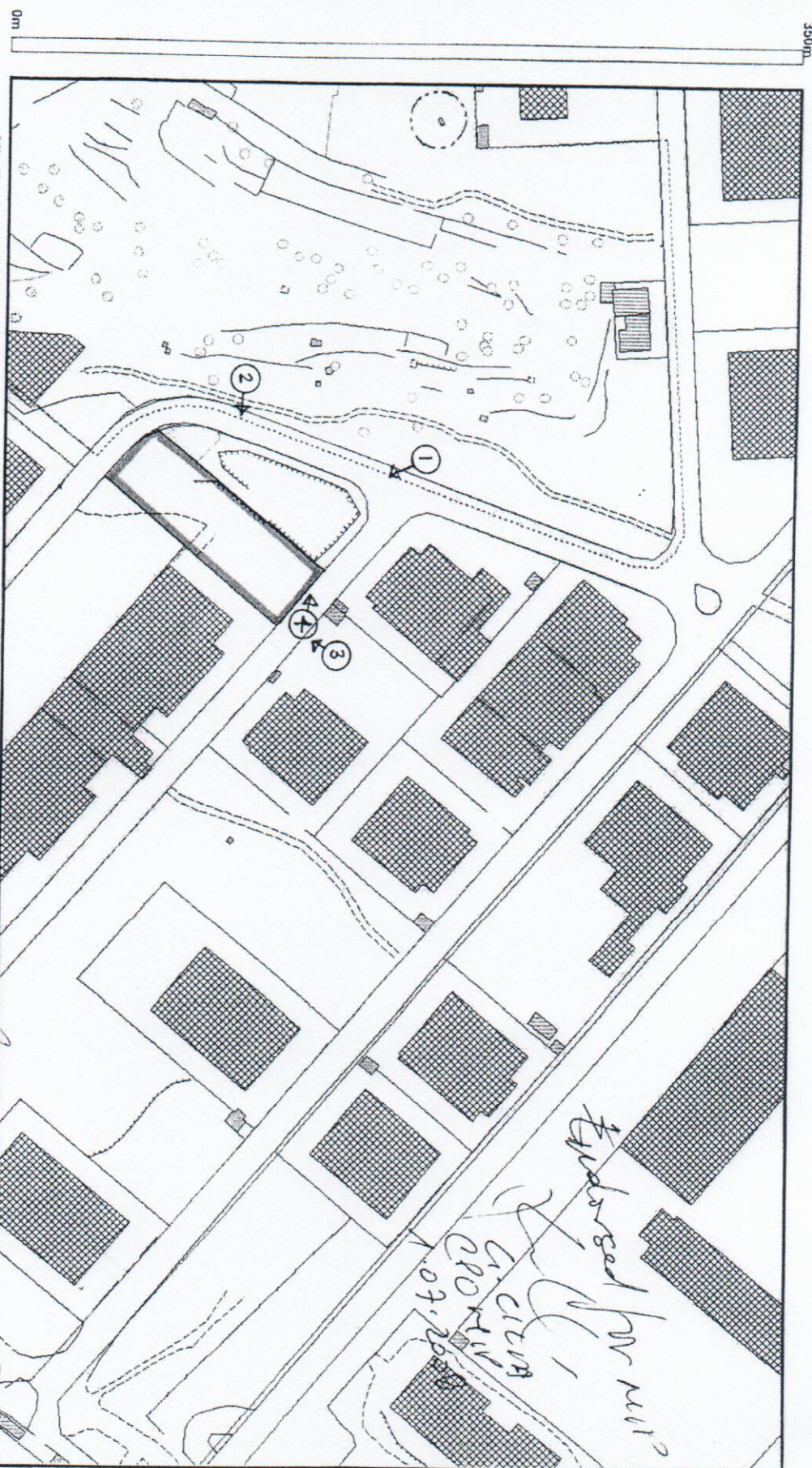


Sylvana De Bono
Board Secretary
MEPA

[PADCNCopy]

PA/04236/08

Print Date: 15/10/2010



Min Easting = 55818.53, Min Northing = 63137.49, Max Easting = 56443.53, Max Northing = 63487.4

MEPA

www.mepa.org.mt
St. Francis Ravelin
Floriana
PO Box 200, Valletta, Malta
Tel: +356 240976 Fax: +356 224846

Site Plan, Scale 1:2500

Printed on: Saturday, December 06, 2008

Not to be used for interpretation or scaling of scheme alignments

APPROVAL

Chairman *[Signature]* Secretary *[Signature]*

Plan No: PA4236/08/11c

Exchanged for null?
1.07.2008

741865

Copy of Original Decision Notice



Mr. Simone Ferlin
Sterling Chemicals Malta Ltd.
C/O 44
Triq San Frangisk
Sliema SLM 2069

Date: 26 June 2013
Our Ref: PA/03033/12

Application Number: PA/03033/12
Application Type: Full development permission
Date Received: 17 October 2012
Approved Documents: Site Plan - PA3033/12/1A
Part existing and proposed Plan - PA3033/12/36a
Part existing and proposed Elevation - PA3033/12/36b
Civil Protection Directorate Conditions - PA3033/12/35

Location: Factory HF 51, Qasam Industrijali, Hal Far, Birzebbugia, Malta
Proposal: Installation of LPG bulk storage in a facility/factory already covered by permit PA/04236/08.

Environment and Development Planning Act, 2010 Full Development Permission

The Malta Environment & Planning Authority hereby grants development permission in accordance with the application and documents described above, subject to the following conditions:

1 Environmental Conditions:

a. Removal and re-use of soil, and management of waste generated by site preparation, excavation and construction operations:

(i) Any soil on the site shall not be built over but shall be collected for re-use in accordance with the Fertile Soil (Preservation) Act, 1973. A permit from the Director of Agriculture may be required to this effect.

(ii) The deposition and reuse of any soil removed from the site shall be approved in advance by MEPA's Environment Protection Directorate if it would involve deposition or re-use in any site which is located Outside Development Zones or within a scheduled or otherwise legally protected site.

(iii) Contaminated soils are to be managed and disposed of in accordance with the legal provisions laid down in Legal Notice 184 of 2011 [The Waste Management Regulations of 2011] as amended by Legal Notice 441 of 2011 and L.N. 168 of 2002 [Waste Management (Landfill) Regulations of 2002] and its amendments. (d) Inert waste material resulting from demolition may be reused as fill material within the site (as long as this is in

PA/03033/12

Print Date: 26/06/2013

line with the approved plans and other conditions of this permit), or shall be deposited at facilities permitted by MEPA and in accordance with the legal provisions laid down in Legal Notice 184 of 2011 [The Waste Management Regulations of 2011] as amended by Legal Notice 441 of 2011 and Legal Notice 106 of 2007 [Waste Management (Activity Registration) Regulations of 2007].

(iv) All operations concerning the management of waste are subject to the legal provisions of Legal Notice 184 of 2011 [The Waste Management Regulations 2011] as amended by Legal Notice 441 of 2011 and Legal Notice 106 of 2007 [Waste Management (Activity Registration) Regulations of 2007].

b. All operations concerning the management of waste are subject to the legal provisions of Legal Notice 184 of 2011 [The Waste Management Regulations of 2011] as amended by Legal Notice 441 of 2011 and Legal Notice 106 of 2007 [Waste Management (Activity Registration) Regulations, 2007].

c. Inert waste material/rock resulting from excavations or from demolition may be reused as fill material on site or shall be deposited at facilities permitted by MEPA and in accordance with the legal provisions laid down in Legal Notice 184 of 2011 [The Waste Management Regulations of 2011] as amended by Legal Notice 441 of 2011 and Legal Notice 106 of 2007 [Waste Management (Activity Registration) Regulations, 2007].

2 a) This development permission is valid for a period of FIVE YEARS from the date of publication of the decision in the press but will cease to be valid if the development is not completed by the end of this validity period.

b) This permission relates only to the development as specifically indicated on the approved drawings. This permission does not sanction any other illegal development that may exist on the site.

c) Copies of all approved drawings and documents shall be available for inspection on site by MEPA staff at all reasonable times. All works shall be carried out strictly in accordance with the approved drawings, documents and conditions of this permission. Where a matter is not specified, then the conditions of this permission and of Development Control Policy and Design Guidance shall take precedence and shall modify the drawings and documents accordingly.

d) Where applicable, all building works shall be erected in accordance with the official alignment and official/existing finished road levels as set out on site by MEPA's Land Surveyor. The Setting Out Request Notice must be submitted to the Land Survey Unit of MEPA when the setting out of the alignment and levels is required.

e) Where an officially schemed street, within the development zone, bordering the site is unopened or unformed, it shall be opened up and brought up to its proper, approved and official formation levels prior to the commencement of any development hereby being permitted.

f) Before any part of the development hereby permitted commences, the enclosed green copy of this development permission shall be displayed on the site. This must be mounted on a notice board, suitably protected from the weather and located not more than 2 metres above ground level at a point on the site boundary where it is clearly visible and can be easily read from the street. The copy of the permission must be maintained in a good condition and it shall remain displayed on the site until the works are complete.

g) The enclosed Commencement Notice shall be returned to MEPA so that it is received at least five days prior to the commencement of any works hereby permitted.

h) Where applicable, the development hereby permitted shall be carried out in accordance with the provisions of the Environmental Management Construction Site Regulations, Legal Notice 295 of 2007 (or subsequent amendments). Any hoarding shall be erected in accordance with Schedule 2 of the same Regulations.

i) The height of the development shall not exceed the permitted number of floors and the height in metres as indicated on the approved drawings.

j) There shall be no service pipes, cables or wires visible on the front elevation or on any other elevations of the building which are visible from the street or public space.

- 3 The conditions imposed and enforced by the Civil Protection Department are at document PA3033/12/35. The architect/applicant are required to contact the Civil Protection Department, throughout all the construction phases of the development hereby approved, to ensure that the development is carried out in conformity with the conditions imposed by the Civil Protection Department].

Where the approved drawings and/or documents are dimensioned, then the declared dimensions shall prevail over the actual size as depicted on the approved drawings and/or documents.

Developers are advised to check the invert level to the sewer main with the Water Services Corporation as they would have to make their own arrangements where a gravity service connection is not possible. In these cases, the architect has to indicate the solutions envisaged and to indicate on the plan what needs to be carried out and obtain approval from WSC. Developers are further reminded that connection of storm water into main sewers is not allowed.

A third party may have the right of appeal against this permission. Any action taken on this permission when such an appeal has been made, or until the time limit for the submission of such an appeal has expired, is undertaken at the risk that this permission may be revoked by the Environment and Planning Review Tribunal or quashed by the Court of Appeal.

If the declaration of ownership, as contained in the application form, is determined as incorrect by a Court of Law, then the said Court of Law can declare this development permission as null and void. This development permission does not remove or replace the need to obtain the consent of the land/building owner to this development before it is carried out. Furthermore, it does not imply that consent will necessarily be forthcoming nor does it bind the land/building owner to agree to this development. Where the land/building is owned or administered by the Government of Malta a specific clearance and agreement must be obtained for this development from the Land and/or Estate Management Departments.

This development permission is granted saving third party rights. This permission does not exonerate the applicant from obtaining any other necessary permission, license, clearance or approval required from any Government department, local council, agency or authority (including MEPA), as required by any law or regulation.

This development permit does not authorise any storage of substances listed in Occupational Health and Safety Authority Act (Cap. 424) - Control of Major Accident Hazards Regulations, 2003, as amended, in quantities that would render this site an establishment within scope of these regulations.

The storage and handling of said substances may require a new or amended development permission in line with current policies and regulations.

For any non-residential uses hereby being approved, prior to commencement of any works on site or any eventual permitted change of use, the applicant shall be required to contact the Environment Protection Directorate (within MEPA) to obtain any necessary operational permit or registration. This requirement does not apply to Class 4, 5, 7 and 8 uses as listed in the Development Planning (Use Classes) Order (1994), or its subsequent amendments.

This decision is being published on 6 July 2013.



David Cassar
f/Head EPC Secretariat
Environment and Planning Commission

[PADCNCopy]



Perit Wallace Farrugia
No. 44, Apartment 3
St. Francis Street

Date : 16 September 2016
Your Ref : 165/15

Sliema SLM 2069

Dear Sir/Madam,

Notification Number: DN 00624/16
Proposal: Extension to factory.
Location: Factory HF 51, Qasam Industrijali, Birzebbugia, Malta

Permitted Development by the Development Notification Order, 2007.

We refer to your notification of intent to undertake the above mentioned works, validated on 7 April 2016.

In accordance with the Development Notification Order, 2007, the development as endorsed on the attached drawings and site plan **DN0624/16/1B/5B/5C/5D/5E/5F/5G/5H doc. 5A (KNPD Accessibility Audit Report), doc. 5i (Civil Protection Dept. Report) and doc. 5J (Fire Safety & Ventilation Report)** is permitted under the following class:

16(i) The construction, re-development, alteration or extension of an industrial unit.

This clearance is granted in relation to the proposed development **ONLY** as indicated in conventional colours on plans and **does not** cover any other development whether shown or not shown on plans, **does not** cover any CTB concession and **does not** sanction any illegal development which may exist on site, even if shown on plans.

This written notification is limited to the development as shown on the submitted plans and is issued without prejudice to sub-article 55(7) of the Development Planning Act, 2016.

This written notification is valid for a period of 12 Months from 14 September 2016 to 14 September 2017, but is rendered null in the event that the development is subsequently modified, extended or relocated in a manner which would result in the limitations set out in the Development Notification Order being exceeded.

The written notification is granted saving third party rights. This notification does not exonerate the applicant from obtaining any other necessary permission, license, clearance or approval required from any Government department, local council, agency or authority, as required by any law or regulation, including an environmental permit from the Planning Authority for the operation of the permitted development.

—

A Commencement Notice is to be submitted to the Planning Authority, by the *perit* on behalf of the applicant, at least FIVE DAYS prior to the date of commencement of works or utilisation of the permission. Failure to submit the Commencement Notice (with all fields correctly completed) or failure to submit it within the required timeframe shall invalidate the Notice and shall result in the imposition of fines according to Schedule D of Legal Notice 277 of 2012, or its amendments, or its replacements. In addition, **if the applicant fails to submit the Commencement Notice or the Commencement Notice submitted is invalid, the relative permission shall be considered as never having been utilised** - Article 72(4) of the Development Planning Act (2016).

Where applicable, the development, hereby notified, shall be carried out in accordance with the provisions of the Environmental Management Construction Site Regulations, LN 295 of 2007.

If the declaration of ownership, as contained in the application form, is determined as incorrect by an Administrative Tribunal or by a Court of Law, then the said notification and its effects shall be considered as null and void.

Yours sincerely,



Vincent Cassar
Chairman
Planning Board



Perit Wallace Farrugia
No. 44, Apartment 3
St. Francis Street

Date : 25 January 2017
Your Ref : 128/16

Sliema SLM 2069

Dear Sir/Madam,

Notification Number: DN 00023/17
Proposal: Extension to external area and carpark.
Location: Sterling Chemicals Ltd., Factory HF50, Qasam Industrijali, Birzebbugia, Malta

Permitted Development by the Development Notification Order, 2016.

We refer to your notification of intent to undertake the above mentioned works, validated on 17 January 2017.

In accordance with the Development Notification Order, 2016, the development as endorsed on the attached drawings and site plan **DN00023/17/1A/1B/1C doc. 1D (CRPD Accessibility Audit Report)**

is permitted under the following class:

16(i) The construction, re-development, alteration or extension of an industrial unit.

This clearance is granted in relation to the proposed development **ONLY** as indicated in conventional colours on plans and **does not** cover any other development whether shown or not shown on plans, **does not** cover any CTB concession and **does not** sanction any illegal development which may exist on site, even if shown on plans.

This written notification is limited to the development as shown on the submitted plans and is issued without prejudice to sub-article 55(7) of the Development Planning Act, 2016.

This written notification is valid for a period of 12 Months from 25 January 2017 to 25 January 2018, but is rendered null in the event that the development is subsequently modified, extended or relocated in a manner which would result in the limitations set out in the Development Notification Order being exceeded.

The written notification is granted saving third party rights. This notification does not exonerate the applicant from obtaining any other necessary permission, license, clearance or approval required from any Government department, local council, agency or authority, as required by any law or regulation, including an environmental permit from the Planning Authority for the operation of the permitted development.

—

A Commencement Notice is to be submitted to the Planning Authority, by the *perit* on behalf of the applicant, at least FIVE DAYS prior to the date of commencement of works or utilisation of the permission. Failure to submit the Commencement Notice (with all fields correctly completed) or failure to submit it within the required timeframe shall invalidate the Notice and shall result in the imposition of fines according to Schedule D of Legal Notice 277 of 2012, or its amendments, or its replacements. In addition, **if the applicant fails to submit the Commencement Notice or the Commencement Notice submitted is invalid, the relative permission shall be considered as never having been utilised** - Article 72(4) of the Development Planning Act (2016).

Where applicable, the development, hereby notified, shall be carried out in accordance with the provisions of the Environmental Management Construction Site Regulations, LN 295 of 2007.

If the declaration of ownership, as contained in the application form, is determined as incorrect by an Administrative Tribunal or by a Court of Law, then the said notification and its effects shall be considered as null and void.

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'Vincent Cassar', written over a horizontal line.

Vincent Cassar
Chairman
Planning Board

PLANNING AUTHORITY

17/4/16
CORR W
Arta.

Perit Wallace Farrugia
No. 44, Apartment 3
St. Francis Street

Date : 18 July 2017
Your Ref : 174/16

Sliema SLM 2069

Dear Sir/Madam,

Notification Number: DN 00617/17
Proposal: Extension to offices.
Location: Sterling Chemicals Ltd., Factory HF51, Qasam Industrijali, Birzebbugia, Malta

Permitted Development by the Development Notification Order, 2016.

We refer to your notification of intent to undertake the above mentioned works, validated on 13 July 2017.

In accordance with the Development Notification Order, 2016, the development as endorsed on the attached drawings and site plan **DN617/1A/1C/1E doc. 1F (Fire Safety & Ventilation Report) doc.1G (Civil Protection Dept Report) doc. 1H (CRPD Accessibility Audit Report)** is permitted under the following class:

16(i) The construction, re-development, alteration or extension of an industrial unit.

This clearance is granted in relation to the proposed development **ONLY** as indicated in conventional colours on plans and does **Not** cover any other works or sanction any illegal development which may exist on site, even if shown on plans.

This written notification is limited to the development as shown on the submitted plans and is issued without prejudice to sub-article 55(7) of the Development Planning Act, 2016.

This written notification is valid for a period of for a period of 12 Months from 18 July 2017 to 18 July 2018, but is rendered null in the event that the development is subsequently modified, extended or relocated in a manner which would result in the limitations set out in the Development Notification Order being exceeded.

The written notification is granted saving third party rights. This notification does not exonerate the applicant from obtaining any other necessary permission, license, clearance or approval required from any Government department, local council, agency or authority, as required by any law or regulation, including an environmental permit from the Planning Authority for the operation of the permitted development.

A Commencement Notice is to be submitted to the Planning Authority, by the *perit* on behalf of the applicant, at least FIVE DAYS prior to the date of commencement of works or utilisation of the permission. Failure to submit the Commencement Notice (with all fields correctly completed) or failure to submit it within the required timeframe shall invalidate the Notice and shall result in the imposition of fines according to Schedule D of Legal Notice 277 of 2012, or its amendments, or its replacements. In addition, **if the applicant fails to submit the Commencement Notice or the Commencement Notice submitted is invalid, the relative permission shall be considered as never having been utilised** - Article 72(4) of the Development Planning Act (2016).

Where applicable, the development, hereby notified, shall be carried out in accordance with the provisions of the Environmental Management Construction Site Regulations, LN 295 of 2007.

If the declaration of ownership, as contained in the application form, is determined as incorrect by an Administrative Tribunal or by a Court of Law, then the said notification and its effects shall be considered as null and void.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Vincent Cassar', written over a vertical line that extends from the 'Yours sincerely,' text.

Vincent Cassar
Chairman
Planning Board



PLANNING AUTHORITY

Full Permission Non Schedule 1

Applicant Details

Tick If Applicant is a company



Company Name	Sterling Chemicals Malta
Company Number	C32508
Name	Roberto
Surname	Tumbiolo
Address	Sterling Chemicals Malta
Address Line 2	Hal Far Industrial Estate
Address Line 3	
Locality or Country	Birzebbugia
Post Code	BBG 3000
ID / Passport	0110509A
Tel. No.	
Mobile No.	99900824
E-Mail	r.tumbiolo@sterlingchemicalmalta.com
Applicant Type	Private Company

Perit Details

Full Name	Perit Wallace Farrugia
Select Address	No. 44, Apartment 3, St. Francis Street, Sliema
I.D. No.	0081967M
Mobile No.	99478328
Warrant No. / Partnership No.	0297
Duly Authorised Contact Person for Partnership	
Your Ref. for this Application	08/18

Site Zoning

Development Zone	<input checked="" type="checkbox"/>
Design Priority Area	<input type="checkbox"/>
ODZ	<input type="checkbox"/>
UCA	<input type="checkbox"/>
Scheduled Site	<input type="checkbox"/>

Location of Proposed Development

Property Name	HF50, HF51, HF53
Door No.	
Street/Place Name(s)	Hal Far Industrial Estate
Locality	Hal Far
Local Council/s	Birzebbugia

Description of Proposal

Description	Removal of existing LPG storage approved in PA/03033/12, and installation of new 25,000 Litre LPG storage tank, including all required ancillary equipment and pipework, minor amendments to parking area layout and construction of new boundary wall.
-------------	---

Development Type

Industry

In terms of the Proviso of Article 33(2) of the Development Planning Act, 2016, the development relates to national security, defence, banks, prisons, the airport and other institutions or premises whose security it is desirable to safeguard.

☐

Indicate why the development falls within the scope of the Proviso to Article 33(2) of the Development Planning Act, 2016.

Previous Applications, Permissions, Clearances, Notifications and Enforcement Notices on this Site

Ref. No.

DN/00023/17, PA/04236/08, PA/03033/12,
DN/00624/16, DN/00617/17,
DN/00810/17

Comments

Trees and Rubble Walls

This development includes Felling of trees

☐

This development includes Demolition/alteration of rubble walls

☐

This development includes New or altered vehicular access

☐

If yes, location and species of affected trees/rubble walls and proposed access are shown on drawing number(s)

Other Information

Total site area (indicated in red on site plan) in m squared	10,220
Main existing use of site	Industrial
Maximum electricity demand of development in KVA	0
Estimated annual electricity consumption in KWh	0
Use of renewable energy sources envisaged including type (if any)	N/A
Tick if Bulk LPG Storage Tank is used	<input checked="" type="checkbox"/>
Capacity	25,000
Diesel	<input type="checkbox"/>
No. Of Tanks:	
Total Capacity:	
Kerosene	<input type="checkbox"/>
No. Of Tanks:	
Total Capacity:	
Petrol	<input type="checkbox"/>
No. Of Tanks:	
Total Capacity:	
Other Fuel Source	<input type="checkbox"/>
No. Of Tanks	
Total Capacity:	
None	<input type="checkbox"/>
What is the daily average Liquid Fuel energy required for this development (KWh)	
Discharges: This development includes discharges to land, sea or surface waters	<input type="checkbox"/>
If yes, location of discharge is shown on drawing number(s)	

RunOff management: How will water runoff from the site be collected or be disposed of?	n/a
Water Source (for development requiring irrigation from a non potable water supply)	
Will the development necessitate trenching of a connection to the potable water distribution network or sewage system?	<input type="checkbox"/>
If yes, trenching details shown on drawing number(s)	
Will the development necessitate the installation of a connection to the electricity distribution network through trenching or erection of poles?	<input type="checkbox"/>
If yes, trenching/pole details shown on drawing number(s)	

Funding

EU Funding	<input type="checkbox"/>
Project of Common Interest	<input type="checkbox"/>
Other Funding	<input type="checkbox"/>
Fund Name	

EU Regulations

This development is within the scope of the COMAH Regulations (as per Schedule 1 of L.N. 37 of 2003 as amended by L.N. 6 of 2005, and any future amendments thereto).	<input type="checkbox"/>
Indicate whether application includes one of the substances falling under the scope of the SEVESO Directive or whether the application is within the consultation zones of one of the SEVESO sites.	
This development is within the scope of EU Regulation 247 of 2003 (Guidelines for Trans-European Energy Infrastructure)	<input type="checkbox"/>
Indicate why the development is within the scope of the Guidelines for Trans-European Energy Infrastructure.	

Applicant's declaration in terms of articles 71(4) and 71(5) of Act VII of 2016

I am the sole owner of the entire site indicated on the site plan. ☐

I am not the sole owner of the entire site(or part thereof) indicated on the site plan. However, I have notified (by registered letter, a copy of which is attached) the owner/s of my intention to apply and the owner/s has/have granted consent to such a proposal. ☒

I am not the sole owner of the entire site(or part thereof) indicated on the site plan. However, I hold the site under an agricultural lease title or under a title of lease and I have notified (by registered letter, a copy of which is attached) the owner/s of my intention to apply to carry out works under a scheme of a Government entity. ☐

In my capacity as the authorised public officer, the applicant is the Government of Malta, or any department, agency, authority or other body corporate wholly owned by the Government, and I have notified (by registered letter or through affixing a notice on site for 5 working days and through publication in a newspaper, a copy of which is attached) the owner/s of my intention to apply. ☐

The site is partly or wholly owned by Government. ☐

Applicant's Signature

Name

Date

O.B.O

Perit Declaration

*I, the undersigned Perit, (duly authorised contact person for partnership, where applicable) hereby declare that I shall assume the direction and responsibility of the work referred to in this application, according to Article 97(1)(o) of the Code of Police Laws (Chapter 10), and I also declare that any information or specifications contained in this application and on the submitted drawings/documents are accurate and not misleading. I also declare that I am lawfully authorised, as prescribed by the relevant legislation, to exercise this function. I also hereby declare that the applicant signed the uploaded physical copy of this application form in my presence and recognise that I am legally obliged to retain the original signed form.



Perit Signature

Date

Official Stamp

GSPO

I hereby declare that the applicant is a Government entity, a GSPO has been issued in relation to this application, and I have uploaded a copy of the GSPO with this submission



Order No

Commitment No

PUBLIC SEWER DISCHARGE PERMIT

SUBJECT

**STERLING CHEMICALS MALTA LTD
HF 51, INDUSTRIAL ESTATE,
BIRZEBBAGA,**

OUR REFERENCE : DMU 6745

ACTIVITY:

YOUR REFERENCE: N/A

FACTORY

To whom it may concern

Applicant, **Mr. Anthony Borda** has submitted an application to discharge effluent into the Public Sewer in terms of L.N. 139 of 2002 as amended by L.N. 378 of 2005.

This application has been accepted and the necessary permit is hereby being issued to the applicant. The issued permit relates only to the discharge of domestic sewage. No discharge of trade effluent in the sewer system is permitted. **Permit is valid for one (1) year from date of issue.**



Ms. Paula Grech Bonnici
Executive Director – Compliance & Quality

19 February 2018

Conditions printed overleaf



19th February 2018.

**MR. ROBERTO TUMBILOLO
STERLING CHEMICALS MALTA LTD.
HF 51, HAL FAR INDUSTRIAL ESTATE,
BIRZEBBAGA.**

Dear Mr. Tumbiolo,

Re: Issue of Public Sewer Discharge Permit

With reference to the above, please find enclosed the Public Sewer Discharge Permit for Sterling Chemicals Malta Ltd.

We kindly appreciate that for next year's renewal, you call at this office one month prior to the expiry day.

If you have any queries, please don't hesitate to inform us, on Tel: 22443237/9.

Yours truly,

Ms. Paula Grech Bonnici
Executive Director – Compliance & Quality
Water Services Corporation.



REGULATOR FOR
ENERGY & WATER
SERVICES

Mr Simone Ferlin
obo Sterling Chemical Malta Ltd
HF51
Hal Far Industrial Estate
B'Bugia

Receipt No.: R-045306

Date: 17/05/2018

Received from Mr Simone Ferlin (on behalf of: Sterling Chemical Malta Ltd), ID No.: AS 5424464 / VAT No: MT16941304, the sum of € 50 Cash, being payment of License No. LPG-00110-SS (SS110) for LPG Secondary Storage licence.

Please retain this receipt as the LPG Secondary Storage Licence for year 2018.

Additional Notes: Payment of License Fee 2018

Receiving Officer
For Regulator for Energy & Water Services

Appendix 3: Company registration certificate

Registrar of Companies

MALTA

Our Ref: C 32508

8th May 2017

TO WHOM IT MAY CONCERN

This is to certify that Sterling Chemical Malta Limited of HF51, Hal-Far Industrial Estate, Birzebbugia BBG3000, Malta was registered under the Laws of Malta on the 20th November 2003 and is still so registered.

According to our records the present shareholders of the company are:

Name	Number of Shares
S.N.I.F.F. Italia SPA (Company Reg. No. 112595)	3,499 Ordinary Shares of EUR 0.8393 each
Osiris Trust Limited (Company Reg. No. C 36502)	1 Ordinary Share of EUR 0.8393

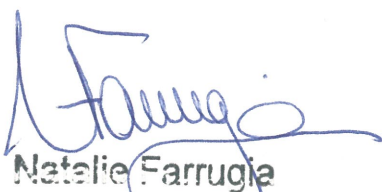
The present directors of the company are:

Simone Ferlin (Italian Passport No. 009477W)
Alessandro Bianchi (Italian I.D. Card No. AT8871126)
Roberto Tumbiolo (Italian Passport No. AA4260020)

The present secretary of the company is:

Alessandro Bianchi (Italian I.D. Card No. AT8871126)

This information is provided on the basis of the documents registered in respect of the company.



Natalie Farrugia

f/Registrar of Companies

Registry of Companies, MFSA Building, Notabile Road, Attard - BKR 3000, Malta.

Tel: (+356) 2144 1155 • Fax: (+356) 2144 1195

E.mail: info@rocmalta.com.mt • Web: <http://rocmalta.com.mt>

Appendix 4: Technically competent management

PERSONAL INFORMATION

Alessandro Bianchi

📍 45, Jahweh, FL 2 – Triq il-Kitarristi – Birzebbuga, Malta (MT)

☎ +356 99963496 📠 +39 3204915127

✉ alewhite@tiscali.it
abianchi@sterlingchemicalmalta.com

Sex M | Date of birth 12/03/1989 | Nationality Italian

03/11/2014 – Present

Production and Warehouse Manager

Sterling Chemical Malta Ltd. Hal Far Industrial Estate, HF51 (BBG 3000) Birzebbuga – Malta
[Pharmaceutical Company](#)

- Management of Production in APIs' synthesis and GMP operations
- Management of Warehouse GMP operations
- Responsible of training for Production and Warehouse personnel
- Coordinator for the maintenance of the plant
- Reference person for MEPA permits/queries (TCP)
- Reference person for H&S
- Coordinator of the activities between all the departments: Production, Warehouse, QC, QA, R&D
- Coordinator for the development of a new plant (Micronization Plant)
- Interface with suppliers
- Planning of Production and Warehouse program
- Validation of Production systems
- Medicine Authority and USFDA approval gained

09/01/2012 – 31/10/2014

Production Supervisor

Sterling S.p.A. Solomeo, Via della Carboneria (PG) – Italy
[Pharmaceutical Company](#)

- GMP operations Supervisor
- Responsible of a production work-shift
- Interaction with R&D, QC and QA
- Carrying out of In process control TLC, HPLC and GC

01/07/2007 – 31/07/2007

Production Operator – Summer Stage

Clam Soc. Coop. Via A. Ranocchia, Marsciano (PG) – Italy
[Manufacturing Company](#)

- Production-chain operator
- Creating, assembling and painting of heating systems
- Interaction with QC and sales

EDUCATION AND TRAINING

08/09/2008 – 15/07/2011

Graduation in Chemistry
University of Perugia (Italy)

▪ Mark: 104/110

PERSONAL SKILLS
Mother tongue Italian

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B1	B1	B1	B1
B1 (CEFR), University of Cambridge				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills

- Leadership (currently responsible for a team of 13 people)
- Organization of activities according to priorities
- Organization of third parts activities
- Start up of a new production facility
- "Management keys of XXI century" Training Course Certificate - INFORMAZIONE

Job-related skills

- Use of lab. Instrumentation (In-process controls): GC, HPLC, Moisture Analyzer, Karl-Fischer
- Respect of procedures and GMP
- BPR (Production) and BWR (Warehouse)
- Using and functions of automatic and manual production plants
- Maintenance principles: PLC, chilling systems, boilers, AHU, HVAC, Water Softener systems, compressors, vacuum pumps, pneumatic pumps.
- Fire Warden certificate gained
- First Aid certificate gained

Computer skills

- Microsoft Office (ECDL)

Driving licence

- B
- A1
- Fork Lifter



A.D. MCCCXVIII



REPUBBLICA ITALIANA
IN NOME DELLA LEGGE

NOI PROFESSORE FRANCESCO BISTONI RETTORE DELLA

UNIVERSITÀ DEGLI STUDI DI PERUGIA

VEDUTI GLI ATTESTATI DEGLI STUDI COMPIUTI
E L'ESITO DELLA PROVA FINALE SOSTENUTA IN DATA 15 LUGLIO 2011 DA

Alessandro Bianchi

nato a Marsciano (Perugia) il 12 marzo 1989

CONFERIAMO LA LAUREA IN

Chimica

Classe delle Lauree n. L-27 - Scienze e Tecnologie Chimiche

CON LA QUALIFICA ACCADEMICA DI DOTTORE

IL PRESENTE DIPLOMA VIENE RILASCIATO A TUTTI GLI EFFETTI DI LEGGE

IL DIRETTORE GENERALE

Luigi Ues Lusi

IL RETTORE

Francesco Bistoni

Numero di registro: 120011, Perugia addì 16 novembre 2012



BARTOLUS



GENTILIS





This is to certify that:

Alessandro Bianchi

Successfully completed a:

Fire Warden Course
(Ref: 10.030)

Held on: 14th September, 2017

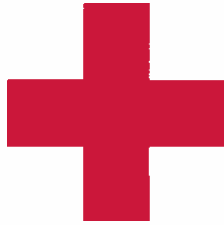
Certificate No. : 34473

Validity: 3 years / Expiry 13th September, 2020

*International Safety Training College (Malta) Ltd.
Hal Far Road, Hal Far BBG 3000, Malta.
Tel. No. +356-21658281/2 Fax No. +356-21658283
E-Mail: info@istcollege.com.mt Website: www.istcollege.com.mt*

Private School Licence No. 230 issued by the Ministry of Education – Malta.





MALTA RED CROSS

THIS IS TO CERTIFY THAT

Allessandro Bianchi
MT6757569

HAS SUCCESSFULLY COMPLETED A 14 HOUR COURSE IN

BASIC FIRST AID

ON THE 29th April 2016 [COURSE 160428A],

UNDER THE INSTRUCTION OF

ANNE SCICLUNA

CERTIFICATION IS VALID FOR THREE YEARS

f/PAULETTE FENECH
DIRECTOR GENERAL

In accordance with European
Red Cross and Red Crescent
Guidelines on

FirstAid

In accordance with European
Resuscitation Council Guidelines
(2010) on Basic Life Support

Certificate Number 1695

www.redcross.org.mt



This is to certify that:

Alessandro Bianchi

Successfully completed a:

Fork Lift Operator Course
(Ref: 61.000)

Held on: 25th January 2016

Certificate No. : 30007

Validity: 3 years / Expiry: 24th January 2019

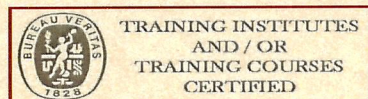
International Safety Training College (Malta) Ltd.

Hal Far Road, Hal Far BBG 3000, Malta.

Tel. No. +356-21658281/2 Fax No. +356-21658283

E-Mail: info@istcollege.com.mt Website: www.istcollege.com.mt

Private School Licence No. 230 issued by the Ministry of Education – Malta.



Certificate No.: 397002



FORMULA A
FORM A

PULIZIJA TA' MALTA
MALTA POLICE

ČERTIFIKÁT TAL-KONDOTTA
CERTIFICATE OF CONDUCT

[illegible]

Jien niddikjarā illi, skond l-Ordinanza dwar iċ-Ċertifikati tal-Kondotta (Kap. 77).

I declare that, in terms of the Conduct Certificates Ordinance (Chap. 77)

name and surname **ALESSANDRO BIANCHI**

Nru. tal-Karta tal-Identita' 0127953A
Identity Card No.

bin/bint **** N/A ****
son of/daughter of

imwield/imwiolda fi' 12/03/1989 f ITALY
born on the at

u joqgħod/toqgħod THE CAPE BLK 1 FL 112, TRIQ PATRI INDRI SCHEMBRI, LUQA
and residing at MALTA

huwa/hija persuna ta' kondotta tajba
is a person of good conduct

Kwartieri Ġenerali tal-Pulizija
Police H.Q
Malta

```
data 01/09/2017 10:21:50
date
```

Dritt imhallas € 2.80
Fee paid

(Data u inijzali)
(Date and initials)

RPC 3074 ML Mifsud

Kummissarju tal-Pulizija
Commissioner of Police

PERSONAL INFORMATION:



Marco Garilli

📍 Coccinella Home,
Triq iz-Znuber, Attard, Malta

☎ +356 99707995

✉ marco.garilli28@gmail.com

WORK EXPERIENCE (Occupational Health and Safety):

From 2017 to currently:

Sterling Chemical Malta Ltd, HF51, Hal Far Industrial Estate, Birzebbuga, MT

Business Sector: Pharmaceutical principles (API)

Role: EHS Manager

- Role Responsible of training for production, warehouse and laboratory personnel.
- Reference person for ERA permits/queries Malta.
- Reference person for H&S.
- Interface with suppliers.
- Curator of the ISO System 14001 and 18001 OHSAS.
- Member of the Team for the Development of a New Plant (Micronization Plant and distillation/laboratory unit).

2011 to 2014:

Demont s.r.l.

Braia Z.I. 17017 Millesimo (SV) Italy

Business Sector: Oil and Fuel Refinery, Manufacturing, Plant/Industrial Engineering

Role: Health and Safety Manager

In this role my main responsibility was to develop, implement, monitor and administer health, safety and environmental protection programmes and this was done in accordance with the relevant Italian standards which were based on the relevant European Union Legislation.

Other work related duties included the following:

- the creation and administration of archive documents of the Production Unit in accordance with the directives of the D. LGS. 81/08 (Italian legislation) and according to the European
- Union standards on the health and security of the system and the business environment;
- the organization of internal audits aimed at training the staff in force at the Production Unit in accordance with the statutory obligations of art. 37 of the D. LGS 81/08 (Italian legislation) and art. 4 of the Agreement of State Regions, such as the health and safety risks at work, manual handling, use of work equipment, safety training supervisors, general information on HSE policies, use of display screen equipment, DPI 3rd class, work in confined spaces pursuant to Presidential Decree 177 of 14 September 2011;
- the preparation of documentation such as health and safety policy documents, internal emergency plans;
- the carrying out of risk assessments with particular analysis of specific risks;
- the creation, monitoring and administration of internal emergency plans;
- the carrying out of supervisory activities in accordance with art. 97 of Legislative Decree 81/08 and control phases of work;
- the carrying out of supervisory activities over sub-contracted work in accordance with art. 97, paragraph 1 of legislative Decree 81/08;
- the development and implementation of policies relating to the management of waste from building projects in accordance with the regulations of Legislative Decree 3 April 2006, n. 152 and the applicable standards of the European Union;
- the monitoring of the implementation of environmental regulations.

In my role as HSE officer with **Demont s.r.l.**, I was also assigned HSE projects in the following companies:

- ISAB Sud Refinery (LUKOIL Group), Priolo, Syracuse (SR), Italy

- S.A.R.P.O.M. (Exon Mobil) Refinery, Trecate, Noto (NO) Italy
- ENEL powerplant, Civitavecchia, Rome (RM) Italy
- ENI Group, Ferrara Erbognone, Pavia (PV) Italy.

2009 to 2010:

IBC Impianti s.r.l.

Tifeo Street, 96011, Augusta, Syracuse (SR) Italy

Business Sector: the manufacture of heavy industrial machinery.

Role: Health and Safety Officer

EDUCATION AND TRAINING

2000 to 2005

Diploma in Business Studies (Economia e tecnica aziendale)

Institute of Studies: I.P.S.S.A.R.T Syracuse, Italy (Institute of Tourism Studies)

2007 to 2008

Certificate in Waste and Resource Management.

Institute of Studies: The Institute of Studies P. Calapso of Syracuse (I.P.S.I.A.)

This course enabled the applicant to acquire the following skills and competences:

- To evaluate the waste quality in order to assess the degree of environmental impact of different types of waste.
- To assess the various systems of waste collection and their effectiveness and sustainability.
- To liaise with State entities in order to assess and run checks and controls over large and small scale activities to ensure compliance with statutory standards.
- To evaluate the effectiveness or otherwise of the waste management systems of large and small scale activities.

2008 to 2009**Advanced diploma in Occupational Health and Safety****First Aid course****Fire Safety course (medium risk)**

Institute of Studies: Pao. Mar, Syracuse (a private institution offering courses in health and safety).

PERSONAL SKILLS

Mother Tongue: Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1/2	C1/2	B1/2	B1/2	
	C1/2 Replace with name of language certificate. Enter level if known.				
French	A1/2	A1/2	A1/2	A1/2	
	A1/2 Replace with name of language certificate. Enter level if known.				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication and other skills:

Very good interpersonal skills, ability to listen, to work in teams, leadership qualities, managerial skills, ability to work under pressure, efficiency in meeting deadlines, ability to co-ordinate work related activities, reporting, analysis and observation.

Computer skills: Good command of Microsoft Office tools.

Hobbies: Passion for all kinds of sports, diving, spear fishing,

Driving Licence: B, A1.

- ☐ Sicurezza e DPI
- ☐ Autoparco e officina: manutenzioni ordinarie e straordinarie dei mezzi di N.U.
- ☐ La rilevazione degli interventi effettuati e dei costi di manutenzione.

Presso la Ditta Individuale "Smart Ambiente"

- ☐ Certificazione ISO 9000 e ISO 14000 applicata a un caso di studio aziendale.

Presso l'Ente "ATO SR1"

- ☐ Caso studio ATO SR1 sul sistema integrato.
- ☐ Campagna di sensibilizzazione per RD sul territorio.

Presso "Servizi Ecologici di Onofaro Antonino"

- ☐ Valutazione del servizio di raccolta e smaltimento nel comune di Solarino
- ☐ Studio e valutazione dell'impianto di depurazione del comune
- ☐ Studio e valutazione della discarica comunale
- ☐ Studio e valutazione dell'impianto di compostaggio della frazione organica dei RSU di Ragusa
- ☐ Studio e valutazione della piattaforma per il recupero dei rifiuti differenziati di Modica
- ☐ Studio e valutazione dei sistemi di raccolta e smaltimento nel comune di Naso (ME).

Presso la "SB Progetti"

- ☐ Controllo qualità.

Presso Consorzio "Prosat"

- ☐ Censimenti utenze non domestiche.
- ☐ Campagna di sensibilizzazione su RD sul territorio.

5. MODALITÀ DI VALUTAZIONE FINALE

Prova di simulazione

Test strutturato a risposte multiple valutato con un peso di 30/100, ai sensi della Circolare Assessoriale n. 24 del 07/12/2005 cap. V.

Colloquio

Colloquio su tematiche afferenti il settore tecnico professionale di riferimento, percorso individuale, relazione finale valutati con un peso complessivo di 70/100

6. CREDITI FORMATIVI

N.	MODULO	ORE	MATERIA	CFU
8	Elementi di idrologia ed idraulica per gli impianti e i sistemi di raccolta e trattamento dei rifiuti	40	Protezione idraulica del territorio	2
			Idrologia	2
9	Sistemi per la gestione integrata dei rifiuti	60	Impianti di trattamento sanitario ambientale	1
10	Raccolta e smaltimento dei rifiuti	80	Impianti di trattamento sanitario ambientale	1
11	Tecniche di riuso e riciclaggio dei rifiuti	60	Impianti di trattamento sanitario ambientale	1
12	Tecniche di gestione delle discariche	70	Impianti di trattamento sanitario ambientale	1
13	Impianti termici e recupero energetico	40	Impianti di trattamento sanitario ambientale	1
			Tecnica del controllo ambientale	1
14	Trattamento fumi ed emissioni	30	Dinamica inquinanti e bonifica siti contam.	2
			Tecnica del controllo ambientale	2
15	Caratterizzazione siti contaminati e tecniche di bonifica e risanamento ambientale	60	Dinamica inquinanti e bonifica siti contaminati	2
CFU				16
Stage/tirocinio				6
TOTALE				22

7. ANNOTAZIONI INTEGRATIVE/ALTRE INFORMAZIONI

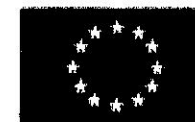
Ai corsisti è stata data la possibilità di sostenere gli esami per il conseguimento dell'ECDL presso il Test Center AICA dell'I.P.S.I.A. di Siracusa.

REPUBBLICA ITALIANA



Ministero dell'Istruzione, Università e Ricerca Scientifica

UNIONE EUROPEA



Fondo Sociale Europeo

REGIONE SICILIANA



Ass. BB. CC. AA. e P.I.



POR SICILIA

REGIONE SICILIANA

ASSESSORATO REGIONALE BENI CULTURALI, AMBIENTALI E PUBBLICA ISTRUZIONE
DIPARTIMENTO REGIONALE PUBBLICA ISTRUZIONE

CERTIFICATO DI SPECIALIZZAZIONE TECNICA SUPERIORE

in

TECNICO SUPERIORE PER I SISTEMI DI RACCOLTA E SMALTIMENTO DEI RIFIUTI

RILASCIATO A CONCLUSIONE DEL

PERCORSO DI ISTRUZIONE E FORMAZIONE TECNICA SUPERIORE ISTITUITO CON

D.A. n. 2860/XIV del 03/09/2007

P.O.R. Sicilia 2000-2006 n.1999 IT 16 I PO 011 – MISURA 3.07 AZIONE a) IFTS

Codice progetto: 1999.IT.16.I.PO.011/3.07/9.2.14/0385

Livello Europeo IV

CONFERITO

A Garilli Marco

Nato ad Augusta il 28/03/1986

Soggetti attuatori del corso

Denominazione

I.I.S.S. I.P.S.I.A. "P. Calapso"
Università Degli Studi – Facoltà Di Ingegneria - Dica
Centro Studi Holos
Igm Ambiente S.r.l.
Multiservices S.n.c.

Sede

Siracusa
Catania
Siracusa
Siracusa
Siracusa

IL PRESIDENTE DELLA
COMMISSIONE ESAMINATRICE
dott. Michele Lacagnina

L'ASSESSORE
(o suo delegato)

IL DIRETTORE GENERALE
Dipartimento Regionale Pubblica Istruzione

Registrato in data 10 APR 2009 al n. 5646

(1) Indicare la figura di riferimento. (2) specificare l'eventuale esito con lode

Descrizione della figura

Tecnico qualificato nel settore ambientale con competenze specifiche nell'ambito della raccolta, smaltimento, riuso e riciclaggio dei rifiuti.

Attività professionali fondamentali nell'ambito della raccolta, smaltimento e riciclaggio dei rifiuti:

- Valutazione delle caratteristiche dei rifiuti e del loro grado di pericolosità ambientale;
- Collaborazione con gli uffici tecnici preposti alla corretta gestione dei rifiuti;
- Monitoraggio e valutazione dell'efficienza dei sistemi di gestione dei rifiuti;
- Identificazione delle fasi dei processi di selezione, trattamento termico e biotrattamento;
- Gestione delle discariche controllate;
- Verifica delle operazioni successive alla depurazione;
- Operare negli impianti di inertizzazione;
- Collaborazione con gli uffici preposti alla bonifica dei siti inquinati.

Classificazione ISTAT Settore Ecologia e Ambiente 2501

Figura professionale 3.1.5.4. Tecnici dello smaltimento dei rifiuti

2. PROFILO PROFESSIONALE REGIONALE

Il Tecnico Superiore per i sistemi di raccolta e smaltimento dei rifiuti opera in collaborazione con società di servizi nel settore ecologico o con amministrazioni pubbliche comunali. Deve conoscere la realtà ambientale del territorio ed essere in grado di aggiornarsi e interpretare la normativa di settore per quanto riguarda la riduzione della produzione dei rifiuti, le tecniche di riuso e riciclaggio, le caratteristiche dei rifiuti (analisi e campionatura) e le modalità di raccolta, recupero, trasporto e smaltimento. Ha conoscenze tecnologiche relative alle centrali policombustibili, ai termoutilizzatori, al trattamento dei fumi e al controllo delle emissioni in atmosfera. Deve avere conoscenze relative alle discariche, manutenzione e recupero dei siti.

3. COMPETENZE ACQUISITE

di base	Unità formative
Utilizzare l'inglese, anche come linguaggio tecnico.	Lingua Inglese
Utilizzare in modo consapevole un computer e i principali programmi applicativi.	Informatica
Conoscere ed applicare le nozioni di base di chimica e fisica.	Chimica e Fisica
Conoscere ed applicare le nozioni di base di disegno, cartografia ed urbanistica.	Disegno cartografia ed urban.
Conoscere l'impresa e la sua organizzazione, orientarsi nel mercato del lavoro.	Organizzazione aziendale
Trasversali	Unità formative
Diagnosticare (relativamente a processi cognitivi e di comprensione)	UFC 1 - 17
Affrontare (competenza relativa alle strategie di azione)	UFC 1 - 17
Relazionarsi (competenza relativa alle interazioni sociali in un contesto organizzativo)	UFC 1 - 17
Tecnico professionali	Unità formative
Operare per il monitoraggio di sistemi e processi ambientali.	Igiene e gestione ambientale
Distinguere le principali fonti normative e il loro ambito di applicazione.	Legislazione di settore
Conoscere ed applicare le nozioni base di idrologia, idraulica e statistica.	Idrologia ed idraulica
Tecniche di raccolta e smaltimento dei rifiuti nell'ambito di un sistema integrato.	Gestione integrata dei rifiuti
Tecniche di raccolta, recupero e smaltimento dei rifiuti urbani, speciali e pericolosi.	Raccolta e smaltimento rifiuti
Riuso e riciclaggio rifiuti; processi di selezione; trattamento termico; biotrattamento.	Riuso e riciclaggio dei rifiuti
Tecniche di gestione delle discariche controllate.	Gestione delle discariche
Impianti termici per lo smaltimento dei rifiuti solidi e il recupero energetico.	Impianti termici
Operare per il monitoraggio di sistemi e processi ambientali.	Fumi ed emissioni
Interventi per la messa in sicurezza, bonifica e ripristino ambientale di siti inquinati.	Caratterizzazione siti contam.
Conoscere ed applicare le procedure ISO 9001 e 14000.	Certificazione ambientale
Norme di prevenzione e sicurezza nell'ambiente di lavoro.	Igiene e sicurezza del lavoro

4. PERCORSO FORMATIVO

4.1 DURATA

MESI 10

ORE 1200

4.2 UNITA' FORMATIVE

Unità formative	Durata in ore	Contesti di apprendimento	Modalità di valutazione
1) Lingua Inglese	50	Aula – IPSIA (SR)	Test Strutturato
2) Informatica	50	Lab. – IPSIA (SR)	Test Strutturato
3) Chimica e Fisica	50	Aula – IPSIA (SR)	Test Strutturato
4) Disegno, cartografia e urbanistica	50	Lab. – IPSIA (SR)	Test Strutturato
5) Igiene e sistemi di gestione ambientale	40	Aula – IPSIA (SR)	Test Strutturato
6) Organizzazione aziendale	50	Aula – IPSIA (SR)	Test Strutturato
7) Legislazione di settore	30	Aula – IPSIA (SR)	Test Strutturato
8) Elementi di idrologia ed idraulica	40	Lab. – IPSIA (SR)	Test Strutturato
9) Sistemi per la gestione dei rifiuti	60	Aula – IPSIA (SR)	Test Strutturato
10) Tecniche di raccolta e smaltimento dei rifiuti	80	Aula – IPSIA (SR) Azienda	Test Strutturato Prova pratica
11) Tecniche di riuso e riciclaggio	60	Aula – IPSIA (SR) - Azienda	Test Strutturato
12) Tecniche di gestione delle discariche	70	Aula – IPSIA (SR) Azienda	Test Strutturato Prova pratica
13) Impianti termici	40	Aula – IPSIA (SR)	Test Strutturato
14) Trattamento fumi ed emissioni	30	Aula – IPSIA (SR)	Test Strutturato
15) Caratterizzazione siti contaminati	60	Aula – IPSIA (SR)	Test Strutturato
16) Monitoraggio e certificazione	40	Aula – IPSIA (SR)	Test Strutturato
17) Igiene e sicurezza del lavoro	40	Aula – IPSIA (SR)	Test Strutturato

4.3 TIROCINIO/I

Struttura/Azienda (Denominazione e sede)	Durata in ore	Settore e comparto di attività	Dimensione aziendale	Funzione/Processo organizzativo
ECOLIT S.r.l. Camporotondo Etneo (CT)	50	Riciclaggio	Piccola	Trattamento dei rifiuti e impianti di riciclaggio
IGM Ambiente S.r.l. Siracusa	48	Igiene urbana	Grande	Servizio di raccolta dei rifiuti urbani
Smart Consulting Siracusa	102	Certificazione di qualità	Piccola	Funzionamento e gestione degli impianti di raccolta e smaltimento
ATO SR1 Siracusa	30	AmbitoTerritoriale Ottimale	Ente Pubblico	Il sistema integrato degli ambiti territoriali ottimali
Servizi Ecologici di Onofaro Antonino Naso (ME)	60	Igiene urbana	Media	La raccolta dei rifiuti urbani
Smart Consulting Siracusa IGM Ambiente Siracusa ATO SR1 SB Progetti Siracusa Consorzio Prosat Florida	70	Settore ambientale	Piccola Grande Ente Pubblico Media Piccola	Uffici Tecnici

Attività svolte:

Presso la Piattaforma CONAI "ECOLIT" S.r.l.

- ☐ Controlli qualità
- ☐ Produzione
- ☐ Certificazione ambientale
- ☐ Logistica (rapporti con il CONAI, carico, scarico).

Presso "IGM Ambiente" S.r.l.

- ☐ La raccolta dei rifiuti urbani: tecniche e costi
- ☐ La pianificazione ed il controllo operativo del servizio
- ☐ Sistema qualità in una azienda di Servizi di I.U.



CONFEDERAZIONE DELLE
LIBERE
ASSOCIAZIONI ARTIGIANE E
PMI ITALIANE
CLAAI ROMA

PAO.MAR. Società
Cooperativa

Viale G. Malfitano n°14
96100 Siracusa

ATTESTATO

di frequenza al corso per la Sicurezza e Salute sui

Luoghi di Lavoro - D.Lgs 81/08 art 32 c 2.

*Si attesta che il Sig. **GARILLI MARCO**, nato ad Augusta (SR) il
28/03/1986, ha frequentato regolarmente e con esito positivo il
corso di formazione di 48 ore modulo B Macrosettore Ateco 4
conforme al Decreto Legislativo n. 195 del 23 giugno 2003 per
"RESPONSABILE DEL SERVIZIO DI PREVENZIONE E
PROTEZIONE", realizzato da PAO.MAR. Società Cooperativa in
convenzione con C.L.A.A.I. - Confederazione delle Libere
Associazioni Artigiane e PMI Italiane.*

Siracusa, 01/12/2008

Il Coordinatore del corso
Ing. *Carpinteri Giuseppe*

Il Presidente C.L.A.A.I.
Giulia Raitano



**CONFEDERAZIONE DELLE
LIBERE
ASSOCIAZIONI ARTIGIANE E
PMI ITALIANE
CLAAI ROMA**

**PAO.MAR. Società
Cooperativa**

Viale G. Malfitano n°14
96100 Siracusa

ATTESTATO

di frequenza al corso per la Sicurezza e Salute sui

Luoghi di Lavoro - D.Lgs 81/08 art 32 c 2.

*Si attesta che il Sig. **GARILLI MARCO**, nato a Augusta (SR) il
28/03/1986, ha frequentato regolarmente e con esito positivo, il
corso di 28 ore modulo A, conforme al Decreto Legislativo n. 195
del 23 giugno 2003 per **"RESPONSABILE DEL SERVIZIO
PREVENZIONE E PROTEZIONE"**, realizzato da PAO.MAR.
Società Cooperativa in convenzione con C.L.A.A.I. - Confederazione
delle Libere Associazioni Artigiane e PMI Italiane.*

Siracusa, 20/11/2008

**Il Coordinatore del corso
Ing. Carpineri Giuseppe**

Il Presidente C.L.A.A.I.

Giulia Rafano



CONFEDERAZIONE DELLE
LIBERE
ASSOCIAZIONI ARTIGIANE E
PMI ITALIANE
CLAAI ROMA

PAO.MAR. Società
Cooperativa

Viale G. Malfitano n°14
96100 Siracusa

ATTESTATO

di frequenza al corso per la Sicurezza e Salute sui

Luoghi di Lavoro - D.Lgs 81/08 art 32 c 2.

*Si attesta che il Sig. GARILLI MARCO, nato ad Augusta (SR) il
28/03/1986, ha frequentato regolarmente e con esito positivo, il
corso di formazione di 60 ore modulo B Macrosettore Ateco 3
conforme al Decreto Legislativo n. 195 del 23 giugno 2003 per
"RESPONSABILE DEL SERVIZIO DI PREVENZIONE E
PROTEZIONE", realizzato da PAO.MAR. Società Cooperativa in
convenzione con C.L.A.A.I. - Confederazione delle Libere
Associazioni Artigiane e PMI Italiane.*

Siracusa, 02/12/2008

Il Coordinatore del corso

Ing.  Garillari Giuseppe

Il Presidente C.L.A.A.I.


Giulia Rana



CONFEDERAZIONE DELLE
LIBERE
ASSOCIAZIONI ARTIGIANE E
PMI ITALIANE
CLAAI ROMA

PAO.MAR. Società
Cooperativa

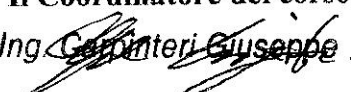
Viale G. Malfitano n°14
96100 Siracusa

ATTESTATO

di frequenza al corso per la Sicurezza e Salute sui

Luoghi di Lavoro - D.Lgs 81/08 art 32 c 2.

*Si attesta che il Sig. GARILLI MARCO, nato ad Augusta (SR) il
28/03/1986, ha frequentato regolarmente e con esito positivo il
corso di formazione di 24 ore modulo C conforme al Decreto
Legislativo n. 195 del 23 giugno 2003 per "RESPONSABILE DEL
SERVIZIO DI PREVENZIONE E PROTEZIONE", realizzato da
PAO.MAR. Società Cooperativa in convenzione con C.L.A.A.I. -
Confederazione delle Libere Associazioni Artigiane e PMI Italiane.
Siracusa, 11/12/2008*

Il Coordinatore del corso
Ing.  Garinieri Giuseppe.

Il Presidente C.L.A.A.I.
 Giulia Rafano



CONFEDERAZIONE DELLE
LIBERE
ASSOCIAZIONI ARTIGIANE E
PMI ITALIANE
CLAAI ROMA

PAO.MAR. Società
Cooperativa

Viale G. Malfitano n°14
96100 Siracusa

ATTESTATO

di frequenza al corso per la Sicurezza e Salute sui

Luoghi di Lavoro - D.Lgs 81/08 art 32 c 2.

*Si attesta che il Sig. **GARILLI MARCO**, nato ad Augusta (SR) il
28/03/1986, ha frequentato regolarmente e con esito positivo il
corso di formazione di 68 ore modulo B Macrosettore Ateco 5
conforme al Decreto Legislativo n. 195 del 23 giugno 2003 per
**"RESPONSABILE DEL SERVIZIO DI PREVENZIONE E
PROTEZIONE"**, realizzato da PAO.MAR. Società Cooperativa in
convenzione con C.L.A.A.I. - Confederazione delle Libere
Associazioni Artigiane e PMI Italiane.*

Siracusa, 04/12/2008

Il Coordinatore del corso

Ing. *Carpaneri Giuseppe*

Il Presidente C.L.A.A.I.

Giulia Rafano

ATTESTATO DI FREQUENZA

Il Sig. **GARILLI MARCO**, nato ad Augusta (SR) il 28/03/1986

ha partecipato al corso di formazione

AGGIORNAMENTO PER COORDINATORI PER LA PROGETTAZIONE E PER L'ESECUZIONE DEI LAVORI (CSP/CSE) E PER RESPONSABILI DEL SERVIZIO PREVENZIONE E PROTEZIONE (R.S.P.P.)

(Ai sensi dell'art. 32 co. 2 del Testo Unico sulla Sicurezza del 9 aprile 2008 n° 81 e s.m.i e ai sensi dell'accordo stato regioni 7 Luglio 2016)

Svolto dal **28/10/2016** al **18/11/2016** con una frequenza di **40** ore e verifica dell'apprendimento finale

Siracusa, 18 Novembre 2016

Prot. 3471116



Il Responsabile del corso.
Ing. Giuseppe Carpineri



PROTOCOLLO n. AI_07/2017

ATTESTATO DI FREQUENZA

Si attesta che

Garilli Marco, nato ad Augusta (SR) il 28/03/1986

ha partecipato con regolarità e profitto al corso di Formazione per

ADDETTO ANTINCENDIO PER ATTIVITA' A RISCHIO MEDIO



Ai sensi del artt. 37, comma 9, e 46, comma 3 e 4, e del D.Lgs. 81/08 D.lgs. 106/2009 e s.m.i. Rispondente alle specifiche della Circ. M.d.I. del 23/02/2011

Il corso è stato realizzato da C.N.A. - Confederazione Nazionale dell'Artigianato e della piccola e media impresa in collaborazione con E.C.I.P.A. Siracusa - Ente Confederale Istruzione Professionale Artigianato e Piccola Impresa - e Servimpresa Srl di Siracusa, e si è svolto presso la sede sita in Via V.Statella n. 32 - 96100 - Siracusa (SR), per complessive ore 8 suddivise: in 5 ore di attività teorica, e 3 ore di attività pratica.

Il corso è stato svolto in conformità agli obiettivi didattici e contenuti minimi della formazione dei lavoratori designati all'attuazione delle misure di prevenzione incendi, lotta antincendio e gestione delle emergenze ai sensi della Circ. M.d.I. del 23/02/2011 del D.M. 10/03/1998 e dell'artt. 37, comma 9, e 46, comma 3 e 4 del D.Lgs. 81/2008 e D.Lgs. 106/2009 e s.m.i.

Il presente attestato ha validità triennale.

Siracusa (SR), 27/06/2017

Il Legale Rappresentante
Gianino Giuseppe

ECIPA
Siracusa
Via Casoré 33 - 96100 Siracusa (SR)
Part. IVA 01158900892



Confederazione Nazionale
dell'Artigianato e della Piccola
e Media Impresa

Siracusa
sede provinciale



Euromed s.r.l.

ECIPA SIRACUSA

ENTE CONFEDERALE ISTRUZIONE PROFESSIONALE DELL'ARTIGIANATO E DELLA PICCOLA E MEDIA IMPRESA
VIA Carlo n. 33, 96100 Siracusa
P. IVA 01155500872

Prot. n° PS_21/2017

Si attesta che

GARILLI MARCO nato/a a **AUGUSTA (SR)** il **28/03/1986**

ha partecipato con regolarità e profitto al **Corso per**

Addetto al Primo Soccorso Aziendale

Ai sensi del D.M. 388/2003, del D.Lgs. 81/2008 e D.Lgs. 106/2009 e s.m.i..

Il corso è stato realizzato da **E.C.I.P.A. Siracusa** - Ente Confederale Istruzione Professionale Artigianato e Piccola Impresa in collaborazione con **C.N.A.** - Confederazione Nazionale dell'Artigianato e della piccola e media impresa e **Euromed S.r.l.**, si è avvalso della direzione del **Dr. Mario Lazzaro** Specialista in Medicina del Lavoro e igiene industriale e si è svolto presso i locali siti in Via Vincenzo Statella, 32 - Siracusa

Il corso è stato svolto in conformità agli obiettivi didattici e contenuti minimi della formazione dei lavoratori designati al pronto soccorso per le aziende di gruppo **B** previsti dagli **Allegati 3 e 4** del **D. M. 388/2003**, La presente attestazione ha validità di tre anni dalla data di rilascio.

Siracusa, lì 28/06/2017

Il Direttore

Dott. Mario LAZZARO

SPECIALISTA IN MEDICINA DEL LAVORO
Viale Scala Greca, 406 - 96100 Siracusa
Tel. 0931 483762 - P. IVA 01229140890
Iscriz. Ordine di Siracusa n° 3490

ČERTIFIKÁT TAL-KONDOTTA
CERTIFICATE OF CONDUCT

Jien niddikjara illi, skond l-Ordinanza dwar ic-Certifikati tal-Kondotta (Kap. 77),
I declare that in terms of the Conduct Certificates Ordinance (Chap. 77),

isem u kunjom MARCO GARILLI
name and surname

Nru. tal-Karta tal-Identita' 0149282A

bin/bint **** N/A **** imwieled/imwielda fi' **28/03/1986** f **ITALY**
son of/daughter of **born on the** **at**

u joqgħod/toqgħod **COCCINELLA, TRIQ IZ-ZNUBER, ATTARD MALTA**
and residing at

huwa/hija persuna ta' kondotta tajba
is a person of good conduct

Applicable ONLY to the time period
Subject has lived in Malta

Kwartieri Ġenerali tal-Pulizija
Police H.Q
Malta

```
data 12/07/2018 07:35:32
date
```

Dritt imhallas € 2.80
Fee paid

(Data u in izjali)
(Date and initials)

WPC 241 C. Camilleri

Kummissarju tal-Pulizija
Commissioner of Police

Appendix 5: Expenditure

1. ERA's ToR in respect of expenditure are:

Please provide a plan of the estimated expenditure for each phase of the following specified activities arising from your proposal.

The plan should include the likely costs of:

- *monitoring (emission/discharge and ambient monitoring);*
- *clearing the installation (including drainage systems) of all wastes;*
- *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.

2. As described in section C3.10 of the IPPC application (**Volume 2**), a one-time air emission monitoring exercise from the micronisation laboratory fume hoods will be carried out. It is estimated that this will be at a cost of around €1,000.
3. Additionally, a noise monitoring session will be carried out once the microniser is commissioned. The cost for this study is estimated at around €2,000.
4. Additionally, as described in section C3.1 of the IPPC application (**Volume 2**), since the proposed variations are similar to the existing processes, no new waste types are envisaged. Therefore there are no new expenses associated with clearing the installation of all wastes.
5. The Scheme's pollution control systems (including the scrubbers and containment systems), as well as the types of substances and waste to be handled will also largely remain the same. There are two new emission points associated with the laboratory fume hoods; however, these are minor emission points with negligible environmental impacts in the event of failure of the pollution control systems. It is therefore considered that the types of emissions (and associated expenses) in the event of a failure of the pollution control systems will remain approximately the same as in the current scenario.