

Variation Notice Regulatory Framework Permit with introductory note

Environment Protection Act (CAP. 549)

Industrial Emissions (Framework) Regulations (S.L. 549.76).

Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (S.L. 549.77).

Industrial Emissions (Large Combustion Plants) Regulations, S.L. 549.78

Installation:

Delimara Power Station

Permit Holders:

Enemalta plc (C65836)

Triq Belt il-Hazna

Marsa MRS 1571

MRS 1571

ElectroGas Malta Ltd. (C60775)

Q3, Level 16 Quad Central, Central

Business District

CBD 1040

D3 Power Generation Ltd. (C66510)

Enemalta Building

Triq Belt il-Hazna

Marsa MRS 1571

United Equipment Co. (UNEC) Ltd.

Bonnici House

Sardine Street

Burmarrad, SPB 6073

Approved Documents:

Permit number

IP 0002/21 – framework document

IP 0002/21/V3

Sub-permit numbers

IP 0002/21/i – ElectroGas Malta Ltd.

IP 0002/21/ii – D3 Power Generation Ltd.

IP 0002/21/iii – Enemalta plc.

IP 0002/21/V3/iv – United Equipment Co. (UNEC)
Ltd.

Table of Contents

Introductory note	3
Permit	9
Conditions	10
1 General.....	10
1.8 Role of Co-ordinator	17
2 Operating Conditions	18
3 Records.....	48
4 Coordination of reporting.....	48
5 Greenhouse Gas Emissions Permit	48
6 Audit & Inspection Fees.....	48
7 Notifications.....	49
 Schedule 1A – Installation Boundary	 51
Schedule 1B – Operational boundaries for individual Permit Holders.....	52
Schedule 2A – Tie-in points (Enemalta plc and EGM Ltd.).....	53
Schedule 2B – Tie-in points (Enemalta plc and D3PG Ltd.).....	54
Schedule 2C – Tie-in points (D3PG Ltd. and EGM Ltd.).....	55
Schedule 3 – Notification of abnormal emissions.....	56
Schedule 4 – Annual Environmental Report.....	57
Schedule 5 – Emissions Points to Sea.....	66
Schedule 6 – Procedure for reporting complaints and exceedances.....	67
Schedule 7 – List of Priority Substances and Certain Other Pollutants in the field of Water Quality.....	68
Schedule 8 - Terms of Reference for Noise Monitoring.....	69
Schedule 9 – Interpretation.....	72
 End of Permit.....	 77

Introductory note

The following Permit is issued under Regulation 7 of the Industrial Emissions (Framework) Regulations, (S.L. 549.76) ("the Industrial Emissions (Framework) Regulations") to operate an installation carrying out activities covered by the description in Section 1.1 in Schedule 1 of the Industrial Emissions (IPPC) Regulations (S.L. 549.77), to the extent authorised by the Permit, i.e.

"Combustion of fuels in installations with a total rated thermal input of 50 MW or more".

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 Permit Holder/s to use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Conditions marked with a "∞" shall be construed as conditions which are to be enforced by the Authority responsible for such an issue.

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 Permit Holder 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 is BAT.

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

- **Generation of electrical energy through the combustion of natural gas, and gasoil**

Note that the Permit requires the submission of certain information to the Competent Authority as per subsequent specific conditions. 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

Permit holder	Permit Number	Date of Issue
<i>Not applicable</i>		

Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue
<i>Enemalta Corporation</i>	IP 0002/07/A	29 March 2010
<i>Enemalta Corporation</i>	IP 0002/07/B	6 December 2011
<i>Enemalta Corporation</i>	IP 0002/07/C	23 July 2012
<i>Enemalta Corporation</i>	IP 0002/07/D	17 September 2013
<i>Enemalta plc</i>	IP 0002/07/E	01 April 2014
<i>Enemalta plc</i>		
<i>ElectroGas Malta Ltd.</i>	IP 0002/07/F	11 January 2017
<i>D3 Power Generation Ltd</i>		
<i>ElectroGas Malta Ltd</i>	IP 0002/07/Fi	11 January 2017
<i>D3 Power Generation Ltd</i>	IP 0002/07/Fii	12 January 2017
<i>Enemalta plc</i>	IP 0002/07/Fiii	11 January 2017
<i>Enemalta plc</i>		
<i>ElectroGas Malta Ltd.</i>	IP 0002/07/G	22 September 2017
<i>D3 Power Generation Ltd</i>		

<i>ElectroGas Malta Ltd</i>	IP 0002/07/Gi	22 September 2017
<i>D3 Power Generation Ltd</i>	IP 0002/07/Gii	22 September 2017
<i>Enemalta plc</i>	IP 0002/07/Giii	22 September 2017

Multiple Operator installations

As indicated in Regulation 6(3) of S.L. 549.76, a permit may regulate several parts of an installation operated by different Permit Holders. The importance of integrating the operations of each technical unit stems from the definition of “installation” in the provisions of S.L. 549.76, where this is defined as “a stationary technical unit within which one or more activities listed in the regulations concerning integrated prevention and control or in the regulations concerning organic solvents are carried out, and any other directly associated activities on the same site which have a technical connection with these activities and which could have an effect on emissions and pollution”.

In accordance with guidance provided by the Commission, an activity is considered to be a directly associated activity with a Schedule 1 activity if it shares common features, for example: it is part of the same industrial complex; it operates in the same or a related sector; or operates with some collective aspects such as site security.

This installation is therefore being regarded as a multi-Operator installation.

Functions of the permit

This Permit consists of four main parts which have been structured so as to include:

- **The Regulatory Framework Permit** addressing the obligation of all Permit Holders and coordinating these obligations due to the nature of the facility as a multi-operator installation (IP 0002/21).
- **Subsidiary Permit 1** addressing the operation carried out by ElectroGas Malta Ltd (IP 0002/21/i);
- **Subsidiary Permit 2** addressing the operations carried out by D3 Power Generation Ltd. (IP 0002/21/ii).
- **Subsidiary Permit 3** addressing the operations carried out by Enemalta plc.(IP 0002/21/iii)
- **Subsidiary Permit 4** addressing the operations carried out by United Equipment Co Ltd. (IP 0002/21/iv)

Variations to the Permit

This Permit may be varied at any time in the future. If any of the Permit Holders wants any of the Conditions of either the regulatory framework or to the Permit Holder specific Subsidiary Permit to be changed, a formal application must be submitted to the Competent Authority. When such an application is submitted to the Authority for its consideration, the decision shall be carried out in consultation with the other Permit Holders within this multi operator installation

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.

Any change in operations shall only be implemented following the granting of a variation of the permit by the Authority.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an Application for the surrender of the Permit has to be made to the Competent Authority by any of the Permit Holders. For the

application to be successful, the Permit Holder(s) requesting this surrender must be able to demonstrate to the Competent Authority that there is no pollution and/or public health risk and that no further steps are required to return the site to a satisfactory state.

The Permit Holder(s) shall retain all responsibility for management and activities within the site until the Authority officially approves the permit surrender in writing.

Transfer of the Permit or part of the Permit

Upon the joint application of a Permit Holder and a proposed transferee, the Permit Holder(s) may request to transfer an environmental permit. The permit shall not be transferred from the Permit Holder without prior approval from the Authority. Upon the Authority's decision to transfer the permit to the transferee, all rights, obligations, liabilities shall subsist onto the transferee.

Public Registers

This IPPC Permit and application are 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. ERA 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.

Status Log

Detail	Date	Comment
<i>Application</i> IP 0002/07	Received 05 February 2007	Not 'duly made'
<i>Response to request for information</i>	Request dated 16 June 2007	Response dated July 2007
<i>Report on boiler conversion for emission reduction</i>	PDS submitted 24 April 2008	Request for further information dated 14 July 2008. Further information submitted 24 September 2008
<i>Noise survey</i>	Report submitted 25 July 2008	
<i>Application 'duly made'</i>	27 April 2009	
<i>Response to request for information</i>	Request dated 27 April 2009	Response received 18 May 2009 Consolidated version received 18 May 2009
<i>Public consultation</i>	Commenced on 21 May 2009	Concluded on 20 June 2009
<i>Re-classification of the phase 1 boilers (from 380 to 332 MW_{TH})</i>	Official letter dated 28 September 2009 plus supporting documents.	
<i>Permit A determined</i>	01 October 2009	
<i>Permit A issued</i>	29 March 2010	
<i>Application for variation of permit to include diesel engines</i>	Application received on 11 February 2010	

Detail	Date	Comment
<i>Response to request for information</i>	Request dated 19 April 2010	Response received 31 May 2010, 17 June 2010 and 26 July 2010
<i>Response to request for information</i>	Request dated 17 September 2010	Response received 12 May and 2 June 2011
<i>Response to request for information regarding NOx emissions</i>	Request dated 24 June 2011	Response received 4 July 2011
<i>Response to request for information regarding socio-economic assessment</i>	Requests dated 24 June, 4 July and 18 July 2011	Response received on 4 August 2011
<i>Response to request for information</i>	Request dated 5 July 2011	Response received on 22 July, 27 July 2011.
<i>Correspondence regarding flue gas volume calculations</i>	Information submitted by Enemalta on 30 June, 8 and 29 July 2011 and 29 August 2011	Request accepted on 4 August 2011
<i>Request for variations to existing permit</i>	Received on 29 July 2011	
<i>Request for consolidated application</i>	Request made on 26 July 2011	Consolidated application received on 17 August (draft) and 23 August 2011 (final)
<i>Air dispersion model</i>	Report submitted on 24 August 2011	
<i>Updated cooling water dispersion modelling study</i>	Received on 7 September 2011	
<i>Public consultation</i>	Started on 24 August 2011	Concluded on 7 October 2011
<i>Renewal and variation B determined</i>	5 December 2011	
<i>Permit B issued</i>	6 December 2011	Permit expires on 6 December 2015 A consolidated permit is being issued
<i>Public consultation on proposed extension to condition 2.2.1.7.9 from September 2012 to June 2013</i>	Started on 17 May 2012	Concluded on 18 June 2012
<i>Variation C determined</i>	12 July 2012	
<i>Permit C issued</i>	23 July 2012	Permit expires on 6 December 2015 A consolidated permit is being issued
<i>Public consultation on proposed extension for HFO use from June 2013 to March 2014</i>	Started on 28 June 2013	Concluded on 28 July 2013
<i>Variation D determined</i>	5 September 2013	
<i>Permit D Issued</i>	17 September 2013	Permit expires on 6 December 2015 A consolidated permit is being issued

Detail	Date	Comment
<i>Public consultation on the determination of the choice of fuel for DPS6</i>	Started on 11 February 2014	Concluded on 12 March 2014
<i>Variation E determined</i>	27 March 2014	
<i>Permit E issued</i>	1 April 2104	Permit expires on 6 December 2015. A consolidated permit is being issued.
<i>Permit extended</i>	1 December 2015	From 06 December 2015 to 06 June 2016
	30 May 2016	From 06 June 2016 to 6 December 2016
	02 December 2016	From 06 December 2016 to 06 June 2017
<i>Request for variations to existing permit by Electrogas Malta Ltd.</i>	13 November 2014	
<i>Request for variations to existing permit by D3 Power Generation Ltd.</i>	20 February 2015	
<i>Request for renewal and variations to existing permit by Enemalta plc.</i>	4 June 2015	
<i>Responses to request for information</i>	Electrogas Malta Ltd	From 13 November 2014 to 17 October 2016
	D3 Power Generation Ltd	From 20 February 2015 to 17 October 2016
	Enemalta plc	From 4 June 2015 to 17 October 2016
<i>Application Duly made</i>	Electrogas Malta Ltd	18 October 2016
	D3 Power Generation Ltd	18 October 2016
	Enemalta plc	18 October 2016
<i>Public Consultation</i>	Between 19 October 2016 and 27 November 2016	Public consultation extended by 10 days from the original end date of 17 November 2016.
<i>Permit F Determined</i>	19 December 2016	
<i>Permit F Issued</i>	11 January 2017	Permit Expires: 19 December 2020
<i>Request for partial surrender to existing permit by Enemalta plc.</i>	12 April 2017	
<i>Responses to request for information</i>	11 May 2017	
<i>Application Duly made</i>	5 July 2017	
<i>Public Consultation</i>	Between 10 July 2017	Concluded 24 July 2017
<i>Permit G Determined</i>	25 August 2017	

Detail	Date	Comment
Permit G Issued	22 September 2017	Permit expires: 25 August 2021
Permit G extension	9 July 2021	Validity expires: 25 February 2022
Application IP 0002/21	12 February 2021 26 February 2021 25 February 2021 and 9 December 2021	EGM; variation and renewal D3PG; renewal ENE; renewal and variation
Regulatory consultation	between 23rd April 2021 – 7th May 2021 and between 1st June 2021 – 8th June 2021 and 25th October 2021 – 8th November 2021	
Public Consultation	Commenced on 17 December 2021	Concluded on 02 January 2022
Application Determined	18 February 2022	Granted 10 May 2022
IP 0002/21/V1	Validated 11 th August 2023	
IP 0002/21/V2	Validated 5 th January 2024	
IP 0002/21/V3	Validated 8 th May 2024	
End of Introductory Note		

Notice of Variation

Industrial Emissions (Framework) Regulations, S.L.549.76;
Industrial Emissions (Integrated Pollution Prevention and Control) Regulations, S.L. 549.77;
Industrial Emissions (Large Combustion Plants) Regulations, S.L. 549.78

Variation Notice
IP 0002/21/V3

Permit number
IP 0002/21

Approved Documents:

IP 0002/21/DOC1
IP 0002/21/DOC2
IP 0002/21/DOC3

The Environment and Resources Authority (hereinafter the Authority; the Competent Authority or ERA) in exercise of its powers under Regulation 7 of the Industrial Emissions (Framework) Regulations, 2013 (S.L. 549.76) ("the Industrial Emissions (Framework) Regulations"), hereby authorises:

Enemalta plc. (C65836) (Hereinafter "the Permit Holder" and/or "the Permit Coordinator" unless specifically mentioned) Of / Whose Registered Office (or principal place of business) is at **Triq Belt il-Hazna, Marsa, MRS1571, Malta**

ElectroGas Malta Ltd. (C60775) (hereinafter "the Permit Holder" unless specifically mentioned) Of / Whose Registered Office (or principal place of business) is at **Q3, Level 16 Quad Central, Central Business District CBD 1040'**

D3 Power Generation Ltd (C66510) (hereinafter "the Permit Holder" unless specifically mentioned) Of / Whose Registered Office (or principal place of business) is at **Enemalta Building, Triq Belt il-Hazna, Marsa MRS 1571, Malta**

United Equipment Co. (UNEC) Ltd.(C 10827) (hereinafter "the Permit Holder" unless specifically mentioned) Of / Whose Registered Office (or principal place of business) is at **Bonnici House Sardine Street Burmarrad, SPB 6073**

to operate specified plant described in the Framework Permit and Subsidiary Permits 1, 2, 3 and 4 of this Permit at the installation at:

Delimara Power Station, Delimara, Marsaxlokk, MXK 1220

to the extent authorised by and subject to the conditions of this Regulatory Framework Permit and in the Permit Holder specific Subsidiary Permits included in this Permit.

This variation is valid until the expiry of the permit IP 0002/21 which is four (years) from the 'Permit Granted' Date below. An application for renewal is to be submitted at least **nine (9) months** prior to expiry of the permit.

Environment and Resources Authority		Date Granted: 10 / 05 / 2022
APPROVAL		Variation Granted:
Board No.216	Held on 31 May 2024	17.06.2024
Chairman _____	Secretary _____	

Authorised to sign on behalf of the Competent Authority

Conditions

Section 1 – General

The enclosed notice of variation shall be read in conjunction to the permit with reference to IP 0002/21 and shall take effect as of the date indicated above.

The Authority is hereby varying the Covering Page, the Permit Signature page, the introductory note, , Section 1 (General), Section 2 (Operating conditions), Schedule 1A (Installation Site Boundary), Schedule 1B (Operational boundaries for individual Permit Holders) and Schedule 9 (Interpretation) as specified hereunder.

1. Table 1.1.1 in Section 1.1. 'Permitted Activities' shall be replaced as follows:

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	Extent of responsibility
Section 1.1: Combustion installations with a rated thermal input exceeding 50 MW	Generation of electrical energy through the combustion gasoil. Installation consists of two open cycle gas turbines (DPS2 and DPS3), two combined cycle gas turbines (DPS4 and DPS5)	From receipt of fuel to delivery of utility.	Enemalta plc.
	Generation of electrical energy through the combustion of Natural Gas Installation consists of three Combined cycle gas turbines (DPS 7)	From receipt of fuel to delivery of utility.	Electrogas Malta Ltd.(EGM)
	Generation of electrical energy through the combustion of Natural Gas and gasoil	From receipt of fuel to delivery of utility.	D3 Power Generation Ltd. (D3PG)

	<p>Installation consists of four medium-speed combined cycle dual fuel (natural gas and gasoil) diesel engines (DPS6 – diesel engines 5 to 8).</p> <p>Installation consists of four medium-speed combined cycle single fuel (natural gas) diesel engines (DPS6 – diesel engines 1 to 4).</p>		
	<p>Operation of 48 [4 MW_{th}] emergency generators (New MCPs) firing gas oil</p>	From receipt of fuel to delivery of utility.	United Equipment Co. (UNEC) Ltd.
Associated activity of fuel handling and storage	Handling and storage of Natural Gas	<p>1. From receipt of fuel to storage within the Floating Storage Unit to delivery to the Regasification Plant.</p> <p>2. From storage within the Floating Storage Unit to offshore liquefied natural gas bunkering to third parties.</p>	ElectroGas Malta Ltd.
	Handling and storage of heavy fuel oil	From receipt of the fuel and storage in tank farm and from tanks to tanker barge/third parties	Enemalta plc.
	Handling and storage of gasoil	From receipt of the fuel and storage in tank farm from	D3 Power Generation Ltd.

		Enemalta plc. at tie-in point TP4.D3 to combustion in the diesel engines 5 to 8 and the 3.85MW _{th} auxiliary boiler of D3PG	
		From receipt of fuel and storage in tank farm to combustion in DPS 2 to 5, 4.15MW _{th} auxiliary boiler of Enemalta and delivery of utility to D3PG at tie in point TP4.D3 Transfer from tanks to tanker barge/third parties	Enemalta plc
	Handling and storage of gasoil	From receipt of the fuel and storage in tank farm from Enemalta plc. at tie-in point TP3.Temp & TP4.Temp to combustion in the diesel engines	UNEC Ltd.
Associated activity of regasification and gas pressure reduction	Operation of a regasification plant and a gas reducing station	From receipt of liquefied natural gas from the floating storage unit to delivery to D3PG (DPS6) and DPS 7	ElectroGas Malta Ltd.
Associated activity of utilities	Sea water pre-treatment plant.	From intake of sea water from Marsaxlokk Bay to dosing and delivery of utility.	Enemalta plc
	Sea water discharge into Hofra Iz-Zghira	From receipt of waste water from own operations, D3PG and Electrogas operated plant to the discharge of the water.	Enemalta plc
	Provision of evaporated and demineralised water	From the generation of utility to distribution	Enemalta plc.

		through metered tie-in point to D3PG, EGM and own use.	
	Provision of fire-fighting water	<p>External system: From intake of seawater from Marsaxlokk Bay to delivery and distribution through metered tie-in point to D3PG, EGM and own use.</p> <p>Internal system: From water reservoirs to delivery and distribution through metered tie-in point to D3PG, EGM and own use</p>	Enemalta plc.
	Provision of potable water	From receipt of potable water from mains system to distribution through metered tie-in point to D3PG, EGM, UNEC and own use.	Enemalta plc.
	Foul water management	From receipt of own foul water and from D3PG's cesspits to on-site storage and connection to main sewerage network.	Enemalta plc.
	Oily-water management	From receipt of own oily-water and treated oily water from D3PG to further polishing and discharge.	Enemalta plc.
	Rainwater management	From receipt of rainwater from own operational area, EGM, D3PG and UNEC Ltd. to final discharge points to sea.	Enemalta plc

	Auxiliary steam	From generation of auxiliary steam by D3PG to delivery to Enemalta for HFO tanks space heating and for fresh water production	D3 Power Generation ltd.
		From generation of auxiliary steam by Enemalta for HFO tanks space heating and for fresh water production	Enemalta plc

2. **A condition numbered 1.3.4 shall added in sub-section 1.3 (Information to the public);**

Conditions 1.3.1 shall not be applicable to UNEC Ltd.

3. **A condition 1.4.10 in section 1.4 (Overarching Management Conditions) shall be added;**

Upon submission and approval of improvement programme item 9, the mutual audit procedure in approved document IP 0002/21/DOC1 referred to in condition 1.4.7 shall be replaced as amended and renamed approved document IP 0002/21/V3/DOC1.

4. **The following items in Table 1.5.1 in Section 1.5. 'Improvement Programme' shall be included;**

Table 1.5.1: Improvement programme		
Reference	Requirement	Date
9	<p>The following EMS documentation shall be updated and submitted to the Authority</p> <ul style="list-style-type: none"> i. SOP-175 Coordinated Safety Management System Role and Responsibilities ii. SOP-176 Interconnected Service Management Procedure iii. SOP-177 Coordinated Health, Safety, and Environment Works Management Procedure iv. SOP-178 Management of Changes with impact on other units v. SOP-180 Coordinated Incident and Accident Investigation Procedure vi. SOP-234 Environmental Complaints Procedure (Coordinated) vii. SOP-256 Procedure for Analysing, Reporting and Following-up on odour complaints (Coordinated) viii. SOP-232 Mutual Audit Planning, Conducting and Reporting (Coordinated) ix. SOP-082 Performance Monitoring Procedure 	One month from the date of the granting of the permit

5. **Condition 1.8.2 in section 1.8 (Role of Co-ordinator) shall be replaced by the following;**

The Permit Coordinator shall be responsible for the maintenance, monitoring, record keeping and reporting on issues related to any common infrastructure with the other Permit Holders up to the tie-in points detailed in Schedules 2A, 2B and 2C and Approved Document IP0002/21/V3/iv/DOC3 and obligations detailed in the relevant sections below, as may be required by the Authority from time to time and as required in terms of this Framework Permit. These shall be submitted to the other Permit Holders on a monthly basis.

Section 2 – Operating conditions

6. **Condition 2.1.18 in section 2.1 (General Conditions) shall be replaced by the following;**

This Permit is issued against a Bank Guarantee of €1,000,000 by Enemalta plc. This guarantee will have to be maintained throughout the validity of the permit. Following renewal and/or variations to this permit, the Authority may require amendments to the Bank Guarantee.

7. **A condition numbered 2.3.12 shall be added in sub-section 2.5 (Discharges to Sewer);**

Section 2.3 shall not be applicable to UNEC Ltd.

8. **A condition numbered 2.12.41 shall be added in sub-section 2.5 (Emissions to Marine Water):**

Section 2.5 shall not be applicable to UNEC Ltd.

9. **A condition numbered 2.12.15 shall be added in sub-section 2.12 (Noise and Vibration):**

Conditions 2.12.12- 2.12.14 shall not be applicable to UNEC Ltd.

10. **A condition numbered 2.21.22 shall be added in sub-section 2.21 (Land and groundwater investigations, Closure and Decommissioning):**

Section 2.21 shall not be applicable to UNEC Ltd., except for conditions pertaining to land and groundwater studies.

Section 3 - Records

No changes

Section 4 - Coordination of reporting

No changes

Section 5 - Greenhouse Gas Emissions Permit

No changes

Section 6 - Audit & Inspection Fees

No changes

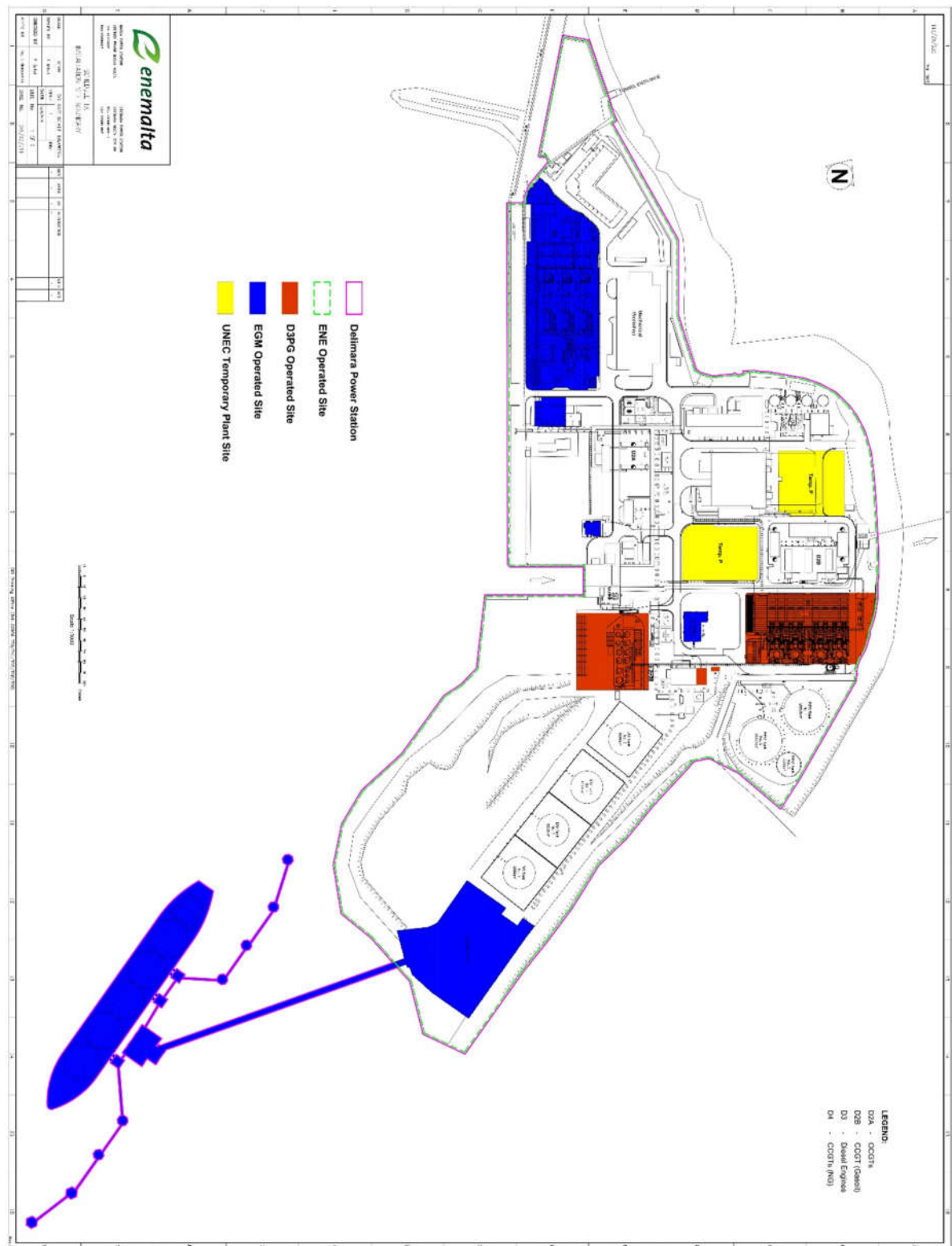
Section 7- Notifications

No changes

Schedule 1A – Installation Site Boundary

1. Shall be amended as indicated in the Schedule.

Schedule 1A Installation Site Boundary

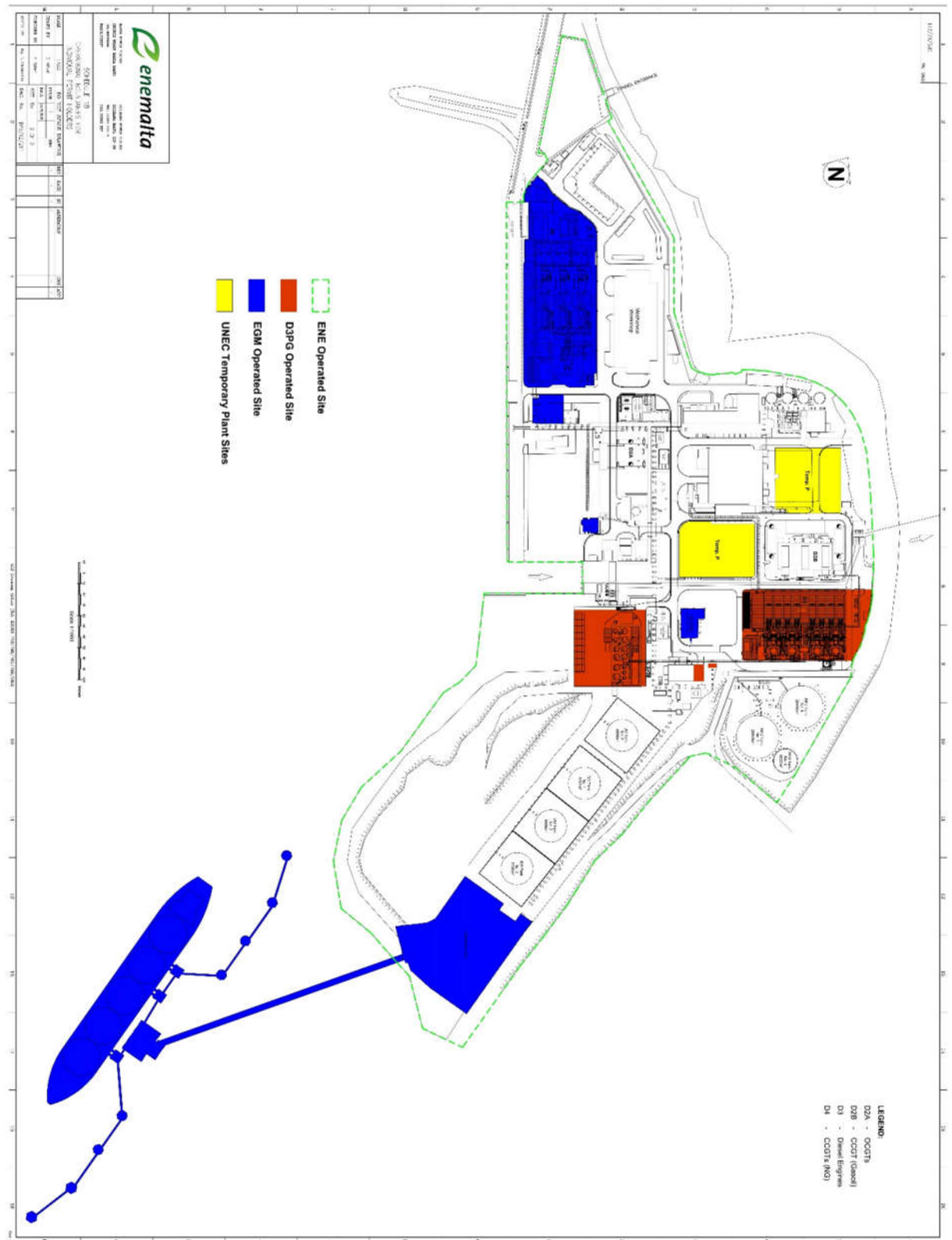


Schedule 1B – Operational boundaries for individual Permit Holders

1. Shall be amended as indicated in the Schedule.

Schedule 1B

Operational boundaries for individual Permit Holders



Schedule 2A – Tie-in points between Enemalta plc. and Electrogas Malta Ltd.

No changes

Schedule 2A – Tie-in points between Enemalta plc. and D3 Power Generation Ltd.

No changes

Schedule 2C – Tie-in points between D3 Power Generation Ltd. And Electrogas Malta Ltd – TP 5 only.

No changes

Schedule 3 – Notification of abnormal emissions

No changes

Schedule 4 – Annual Environmental Report

No changes

Schedule 5 – Emission points to sea from the Installation

No changes

Schedule 6 - Procedure for reporting complaints and exceedances

No changes

Schedule 7 - List of Priority Substances and Certain Other Pollutants in the field of Water Quality

No changes

Schedule 8 - Terms of Reference for Noise Monitoring

No changes

Schedule 9 – Interpretation

1. The introduction shall in Schedule 9 –Interpretation shall be amended as follows:

In this Permit, the following expressions shall have the following meanings assigned to them, except where the context otherwise requires. All other terms shall have the same meaning as that assigned to them in the Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (S.L. 549.77), or any statutory provisions or regulations amending or replacing them. Where applicable the terminology as assigned in limitation of emissions of certain pollutants into the air from medium combustion plants (S.L.549.122) shall apply.

2. Point 39 definition shall be amended as follows:

“Permit” means this Framework Permit (IP0002/21/) together with the Subsidiary Permits (IP0002/21/i, IP0002/21/ii, IP0002/21/iii, IP 00002/21/iv) and any variation notices to said permits, and the terms “Framework Permit” and “Subsidiary Permit” shall be defined accordingly.

3. Point 57 definition shall be amended as follows:

The Permit Holder” means:

- In relation to the Framework Permit each of Enemalta plc., ElectroGas Malta Ltd., D3 Power Generation Ltd. and United Equipment Co Ltd. acting jointly unless otherwise specified;
- In relation to any Subsidiary Permits as follows:

For IP 0002/21/i – ElectroGas Malta Ltd.

For IP 0002/21/ii – D3 Power Generation Ltd.

For IP 0002/21/iii – Enemalta plc.

For IP 0002/21/iv – United Equipment Co. Ltd.

END OF PERMIT

Variation Notice Subsidiary Permit 3 with introductory note

Environment Protection Act (CAP. 549)

Industrial Emissions (Framework) Regulations, S.L.549.76;

Industrial Emissions (Integrated Pollution Prevention and Control) Regulations, S.L. 549.77;

Industrial Emissions (Large Combustion Plants) Regulations, S.L. 549.78

Installation: **Delimara Power Station**

Permit Holder: **Enemalta plc (C65836),
Triq il-Belt il-Hazna,
Marsa, MRS 1571,
MRS 1571**

Approved Documents: IP 0002/21 – framework document

Sub-permit numbers:

IP 0002/21/i – ElectroGas Malta Ltd./ EGM Ltd

IP 0002/21/ii – D3 Power Generation Ltd./D3PG Ltd.

IP 0002/21/iii – Enemalta plc.

IP 0002/21/V3/iv - United Equipment Co. Ltd./ UNEC Ltd.

Contents

Introductory note	2
Permit	8
Conditions	9
1 General.....	9
2 Operating conditions	11
3 Reporting.....	28
4 Interpretation.....	29
Schedule 1A – Operational Boundary for Enemalta.....	30
Schedule 1B – Emission site layout.....	31
Schedule 2 – Annual Environmental Report.....	32
Schedule 3 – Quarterly Reporting	47
Schedule 4 – Monthly Reporting	48
Schedule 5 – Template for Exemption from Emission Limit Values	56
Schedule 6 – Notification of operation of DPS 2 to 5 plant.....	57
End of Permit.....	57

This page has been intentionally left blank

Introductory note

The following Permit is issued under Regulation 7 of the Industrial Emissions (Framework) Regulations, (S.L. 549.76) (“the Industrial Emissions (Framework) Regulations”) to operate an installation carrying out activities covered by the description in Section 1.1 in Schedule 1 of the Industrial Emissions (IPPC) Regulations (S.L. 549.77), to the extent authorised by the Permit, i.e.

“Combustion of fuels in installations with a total rated thermal input of 50 MW or more”.

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 Permit Holder to use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Conditions marked with a “∞” shall be construed as conditions which are to be enforced by the Authority responsible for such an issue.

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 is BAT.

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

- **Generation of electrical energy through the combustion of gasoil.**

Note that the Permit requires the submission of certain information to the Competent Authority as per subsequent specific conditions. 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

Permit holder	Permit Number	Date of Issue
<i>Not applicable</i>		

Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue
<i>Enemalta Corporation</i>	IP 0002/07/A	29 March 2010
<i>Enemalta Corporation</i>	IP 0002/07/B	6 December 2011
<i>Enemalta Corporation</i>	IP 0002/07/C	23 July 2012
<i>Enemalta Corporation</i>	IP 0002/07/D	17 September 2013
<i>Enemalta plc</i>	IP 0002/07/E	01 April 2014
<i>Enemalta plc</i> <i>ElectroGas Malta Ltd.</i> <i>D3 Power Generation Ltd</i>	IP 0002/07/F	11 January 2017
<i>ElectroGas Malta Ltd</i>	IP 0002/07/Fi	11 January 2017
<i>D3 Power Generation Ltd</i>	IP 0002/07/Fii	12 January 2017
<i>Enemalta plc</i>	IP 0002/07/Fiii	11 January 2017
<i>Enemalta plc</i> <i>ElectroGas Malta Ltd.</i> <i>D3 Power Generation Ltd</i>	IP 0002/07/G	22 September 2017
<i>ElectroGas Malta Ltd</i>	IP 0002/07/Gi	22 September 2017
<i>D3 Power Generation Ltd</i>	IP 0002/07/Gii	22 September 2017
<i>Enemalta plc</i>	IP 0002/07/Giii	22 September 2017

Multiple Operator installations

As indicated in Regulation 6(3) of S.L. 549.76¹, a permit may regulate several parts of an installation operated by different operators. The importance of integrating the operations of each technical unit stems from the definition of “installation” in the provisions of S.L. 549.76, where this is defined as “a stationary technical unit within which one of more activities listed in the regulations concerning integrated prevention and control or in the regulations concerning organic solvents are carried out, and any other directly associated activities on the same site which have a technical connection with these activities and which could have an effect on emissions and pollution”.

In accordance to guidance provided by the Commission, an activity is considered to be a directly associated activity with a Schedule 1 activity if it shares common features, for example: it is part of the same industrial complex; it operates in the same or a related sector; or operates with some collective aspects such as site security.

This installation is therefore being regarded as a multi operator installation.

Functions of the permit

This **subsidiary permit 3** (IP 0002/21/iii) which addresses the operations carried out by Enemalta plc. shall be regarded as part of the Permit IP 0002/21 which consists of four main parts structured so as to include:

- **The Regulatory Framework Permit** addressing the obligation of all Permit Holders and coordinating these obligations due to the nature of the facility as a multi-operator installation (IP 0002/21).
- **Subsidiary Permit 1** addressing the operation carried out by ElectroGas Malta Ltd (IP 0002/21/i);
- **Subsidiary Permit 2** addressing the operations carried out by D3 Power Generation Ltd. (IP 0002/21/ii).
- **Subsidiary Permit 3** addressing the operations carried out by Enemalta plc. (IP 0002/21/iii)
- **Subsidiary Permit 4 addressing the operations carried out by United Equipment Co Ltd. (IP 0002/21/iv)**

Variations to the Permit

This Permit may be varied at any time in the future (If the Permit Holder wants any of the Conditions of either the regulatory framework or this specific permit to be changed, a formal application must be submitted to the Competent Authority. When such an application is submitted to the Authority for its consideration, the decision shall be carried out in consultation with the other Permit Holders within this multi operator installation

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.

Any change in operations shall only be implemented following the granting of a variation of the permit by the Authority.

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 Permit Holder. For the application to be successful, the Permit Holder must be able to demonstrate to the Competent Authority that there is no pollution and/or public health risk and that no further steps are required to return the site to a satisfactory state.

¹ SL. 549.76 – Industrial Emissions (Framework) Regulations,

The Permit Holder shall notify the other Permit Holders within the installation of any such intent so as to enable these entities to assess the impact of this proposal on their operations and on any obligations arising from either the Framework Permit of the Permit Holder specific Subsidiary Permit.

Transfer of the Permit or part of the Permit

Upon the joint application of a Permit Holder and a proposed transferee, the Permit Holder may request to transfer an environmental permit. The permit shall not be transferred from the Permit Holder without prior approval from the Authority. Upon the Authority's decision to transfer the permit to the transferee, all rights, obligations, liabilities shall subsist onto the transferee.

The Permit Holder shall notify the other Permit Holders within the installation of any such intent so as to enable these entities to assess the impact of this proposal on their operations and on any obligations arising from either the Framework Permit of the Permit Holder specific Subsidiary Permit.

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. ERA 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.

Status Log

Detail	Date	Comment
<i>Application</i> IP 0002/07	Received 05 February 2007	Not 'duly made'
<i>Response to request for information</i>	Request dated 16 June 2007	Response dated July 2007
<i>Report on boiler conversion for emission reduction</i>	PDS submitted 24 April 2008	Request for further information dated 14 July 2008. Further information submitted 24 September 2008
<i>Noise survey</i>	Report submitted 25 July 2008	
<i>Application 'duly made'</i>	27 April 2009	
<i>Response to request for information</i>	Request dated 27 April 2009	Response received 18 May 2009 Consolidated version received 18 May 2009
<i>Public consultation</i>	Commenced on 21 May 2009	Concluded on 20 June 2009
<i>Re-classification of the phase 1 boilers (from 380 to 332 MW_{TH})</i>	Official letter dated 28 September 2009 plus supporting documents.	
<i>Permit A determined</i>	01 October 2009	
<i>Permit A issued</i>	29 March 2010	
<i>Application for variation of permit to include diesel engines</i>	Application received on 11 February 2010	

Detail	Date	Comment
<i>Response to request for information</i>	Request dated 19 April 2010	Response received 31 May 2010, 17 June 2010 and 26 July 2010
<i>Response to request for information</i>	Request dated 17 September 2010	Response received 12 May and 2 June 2011
<i>Response to request for information regarding NOx emissions</i>	Request dated 24 June 2011	Response received 4 July 2011
<i>Response to request for information regarding socio-economic assessment</i>	Requests dated 24 June, 4 July and 18 July 2011	Response received on 4 August 2011
<i>Response to request for information</i>	Request dated 5 July 2011	Response received on 22 July, 27 July 2011.
<i>Correspondence regarding flue gas volume calculations</i>	Information submitted by Enemalta on 30 June, 8 and 29 July 2011 and 29 August 2011	Request accepted on 4 August 2011
<i>Request for variations to existing permit</i>	Received on 29 July 2011	
<i>Request for consolidated application</i>	Request made on 26 July 2011	Consolidated application received on 17 August (draft) and 23 August 2011 (final)
<i>Air dispersion model</i>	Report submitted on 24 August 2011	
<i>Updated cooling water dispersion modelling study</i>	Received on 7 September 2011	
<i>Public consultation</i>	Started on 24 August 2011	Concluded on 7 October 2011
<i>Renewal and variation B determined</i>	5 December 2011	
<i>Permit B issued</i>	6 December 2011	Permit expires on 6 December 2015 A consolidated permit is being issued
<i>Public consultation on proposed extension to condition 2.2.1.7.9 from September 2012 to June 2013</i>	Started on 17 May 2012	Concluded on 18 June 2012
<i>Variation C determined</i>	12 July 2012	
<i>Permit C issued</i>	23 July 2012	Permit expires on 6 December 2015 A consolidated permit is being issued
<i>Public consultation on proposed extension for HFO use from June 2013 to March 2014</i>	Started on 28 June 2013	Concluded on 28 July 2013
<i>Variation D determined</i>	5 September 2013	
<i>Permit D Issued</i>	17 September 2013	Permit expires on 6 December 2015 A consolidated permit is being issued

Detail	Date	Comment
<i>Public consultation on the determination of the choice of fuel for DPS6</i>	Started on 11 February 2014	Concluded on 12 March 2014
<i>Variation E determined</i>	27 March 2014	
<i>Permit E issued</i>	1 April 2104	Permit expires on 6 December 2015. A consolidated permit is being issued.
<i>Permit extended</i>	1 December 2015	From 06 December 2015 to 06 June 2016
	30 May 2016	From 06 June 2016 to 6 December 2016
	02 December 2016	From 06 December 2016 to 06 June 2017
<i>Request for variations to existing permit by Electrogas Malta Ltd.</i>	13 November 2014	
<i>Request for variations to existing permit by D3 Power Generation Ltd.</i>	20 February 2015	
<i>Request for renewal and variations to existing permit by Enemalta plc.</i>	4 June 2015	
<i>Responses to request for information</i>	Electrogas Malta Ltd	From 13 November 2014 to 17 October 2016
	D3 Power Generation Ltd	From 20 February 2015 to 17 October 2016
	Enemalta plc	From 4 June 2015 to 17 October 2016
<i>Application Duly made</i>	Electrogas Malta Ltd	18 October 2016
	D3 Power Generation Ltd	18 October 2016
	Enemalta plc	18 October 2016
<i>Public Consultation</i>	Between 19 October 2016 and 27 November 2016	Public consultation extended by 10 days from the original end date of 17 November 2016.
<i>Permit F Determined</i>	19 December 2016	
<i>Permit F Issued</i>	11 January 2017	Permit Expires: 19 December 2020
<i>Request for partial surrender to existing permit by Enemalta plc.</i>	12 April 2017	
<i>Responses to request for information</i>	11 May 2017	
<i>Application Duly made</i>	5 July 2017	
<i>Public Consultation</i>	Between 10 July 2017	Concluded 24 July 2017
<i>Permit G Determined</i>	25 August 2017	

Detail	Date	Comment
<i>Permit G Issued</i>	22 September 2017	Permit expires: 25 August 2021
Permit G extension	9 July 2021	Validity expires: 25 February 2022
<i>Application IP 0002/21</i>	<i>12 February 2021</i> <i>26 February 2021</i> <i>25 February 2021 and 9 December 2021</i>	<i>EGM; variation and renewal</i> <i>D3PG; renewal</i> <i>ENE; renewal and variation</i>
<i>Regulatory consultation</i>	<i>between 23rd April 2021 – 7th May 2021 and between 1st June 2021 – 8th June 2021 and 25th October 2021 – 8th November 2021</i>	
<i>Public Consultation</i>	<i>Commenced on 17 December 2021</i>	<i>Concluded on 02 January 2022</i>
<i>Application Determined</i>	18 February 2022	Granted 10 May 2022
<i>IP 0002/21/V1</i>	<i>Validated 11th August 2023</i>	
<i>IP 0002/21/V2</i>	<i>Validated 5th January 2024</i>	
<i>IP 0002/21/V3</i>	<i>Validated 8th May 2024</i>	

End of Introductory Note

Notice of Variation

Industrial Emissions (Framework) Regulations, S.L.549.76;
Industrial Emissions (Integrated Pollution Prevention and Control) Regulations, S.L. 549.77;
Industrial Emissions (Large Combustion Plants) Regulations, S.L. 549.78

Variation Notice

IP 0002/21/V3/iii

Permit number

IP 0002/21/iii

The Environment and Resources Authority (hereinafter the Authority; the Competent Authority or ERA) in exercise of its powers under Regulation 7 of the Industrial Emissions (Framework) Regulations, 2013 (S.L.549.76) ("the Industrial Emissions (Framework) Regulations"), hereby authorises:

Enemalta plc. (C65836) (hereinafter "the Permit Holder" unless specifically mentioned)

Of / Whose Registered Office (or principal place of business) is at


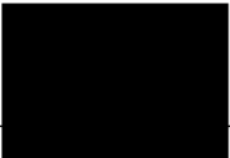
**Triq il-Belt il-Ħażna,
Marsa,
MRS 1571.**

to operate specified plant described in the framework permit and this subsidiary permit 3 of this permit at the installation at:

Delimara Power Station, Delimara, Marsaxlokk, MXK 1320

to the extent authorised by and subject to the conditions of this subsidiary permit and applicable conditions in the regulatory framework permit.

This variation is valid until the expiry of the permit IP 0002/21 which is four (years) from the 'Permit Granted' Date below. An application for renewal is to be submitted at least nine (9) months prior to expiry of the permit

Environment and Resources Authority		Date Granted:
APPROVAL		10 / 05 / 2022
Board No. 216 Held on 31 May 2024		Variation Granted:
		17.06.2024
Chairman		Secretary
		

Authorised to sign on behalf of the Competent Authority

Section 1 – General**1. The first paragraph in Section 1 named 'General' shall be replaced by the following:**

This permit shall be read in conjunction with the regulatory framework Permit and the subsidiary permits issued to D3 Power Generation Ltd., ElectroGas Malta Ltd. and United Equipment Co. Ltd. which together comprise permit IP 0002/21.

The enclosed notice of variation shall be read in conjunction to the permit with reference to IP 0002/21 and shall take effect as of the date indicated above.

The Authority is hereby varying the Covering Page, the permit signature page, Section 1 (General), Section 2 (Operating Conditions), Schedule 1A as specified hereunder.

2. Table 1.1.1 in Section 1.1. 'Permitted Activities' shall be replaced as follows:

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 1.1: Combustion installations with a rated thermal input exceeding 50 MW	Generation of electrical energy through the combustion of gasoil	From receipt of fuel to delivery of utility.
	Installation consists of two open cycle gas turbines (DPS2 and DPS3), two combined cycle gas turbines (DPS4 and DPS5)	
Associated activity of steam generation	Generation of steam by means of a 4.15 MW _{TH} auxiliary boiler	
Associated activity of fuel handling and storage	Handling and storage of heavy fuel oil	From receipt of the fuel to storage in tank farm and from tank farm to tanker/barge to third parties.
	Handling and storage of gasoil	From receipt of fuel and storage in tank farm to delivery to D3PG for combustion in the diesel engines 5 to 8 and 3.85MW _{th} Auxiliary Boiler of D3PG and;
		From receipt of fuel and storage in tank farm to delivery to the Temporary

		Emergency Plant operated by UNEC Ltd.
		From receipt of fuel and storage in tank farm to combustion in DPS 2 to 5 and 4.15 MW _{th} auxiliary boiler of Enemalta
		From receipt of the fuel to storage in tank farm and from tank farm to tanker/barge to third parties.
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.
Associated activity of maintenance	Maintenance carried out in any workshop in the installation.	From maintenance activity to appropriate recovery/ disposal of any wastes created.
Other loading/Unloading to/from vessels on quay	Handling of equipment, materials and supplies	From DPS quay to vessels and vice-versa

3. Condition 1.4.2 shall be added to section 1.4 ‘Overarching Management Condition’:

The Permit Holder, shall ensure that dispatch is carried out in a manner that favours the usage of natural gas and renewables over the utilisation of gasoil where economically and technically feasible.

4. The following item in Table 1.5.1 in Section 1.5 (Improvement Programme) shall be amended:

Table 1.4.1: Improvement programme		
Reference	Requirement	Date
2 [∞]	Submission of an addendum to Enemalta safety report	Two weeks prior to commissioning

5. A condition 1.6.3 shall be added to section 1.6 (Fuel supply to other Permit Holder within the installation):

The Permit Holder shall only supply gasoil for combustion in specified plant to UNEC Ltd. through the external tie in point connection as identified in **Approved Document IP 0002/21/V3/iv/DOC3** and as detailed in Table 1.6.3

Table 1.6.3– infrastructure related to receipt of fuel

Tie in point	Type of Fuel	Description
TP3. Temp	Gasoil	Gasoil connection from Enemalta gasoil tank farm to UNEC Ltd. gensets
TP4. Temp		

Section 2 – Operating Conditions

- 6. Condition 2.2.9 in section 2.2 (Emissions to Air) shall be replaced by the following condition:**

A copy of the certificates of analysis referred to in condition 2.2.5 and 2.2.6 shall also be submitted to D3 Power Generation Ltd. and UNEC Ltd.

- 7. Condition 2.5.3 in sub-section 2.5 (Storage) shall be replaced by the following;**

All oil transfers shall be undertaken in accordance with the oil spillage response plan. The Oil spillage Response Plan shall be updated so as to address oil transfers from the Permit Holder to D3 Power Generation Ltd. and to UNEC Ltd.

- 8. Condition 2.5.10 (Storage) shall be replaced by the following;**

All gasoil transfers shall be undertaken in accordance with the oil spillage response plan and any updates/addenda to it.

- 9. Condition 2.7.13 in section 2.7 (Accident prevention and control) shall be replaced by the following;**

In case any further modification in the piping and instrumentation of the facilities is deemed necessary by D3PG Ltd. or EGM Ltd. or UNEC Ltd., which could have significant consequences for major-accident hazards in relation to the information provided in the P&IDs (Pipe& Instrumentation Diagrams) submitted along with the ENE Safety Report), it should be notified in detail to the COMAH Authority in advance of that modification (according to reg. 9 of the COMAH Regulations S.L.424.19).

Section 3 – Reporting

No changes

Section 4 – Interpretation

No changes

Schedule 1A– Operational Boundary for Enemalta

1. Shall be amended as indicated in the Schedule.

Schedule 1A

Operational Boundary for Enemalta

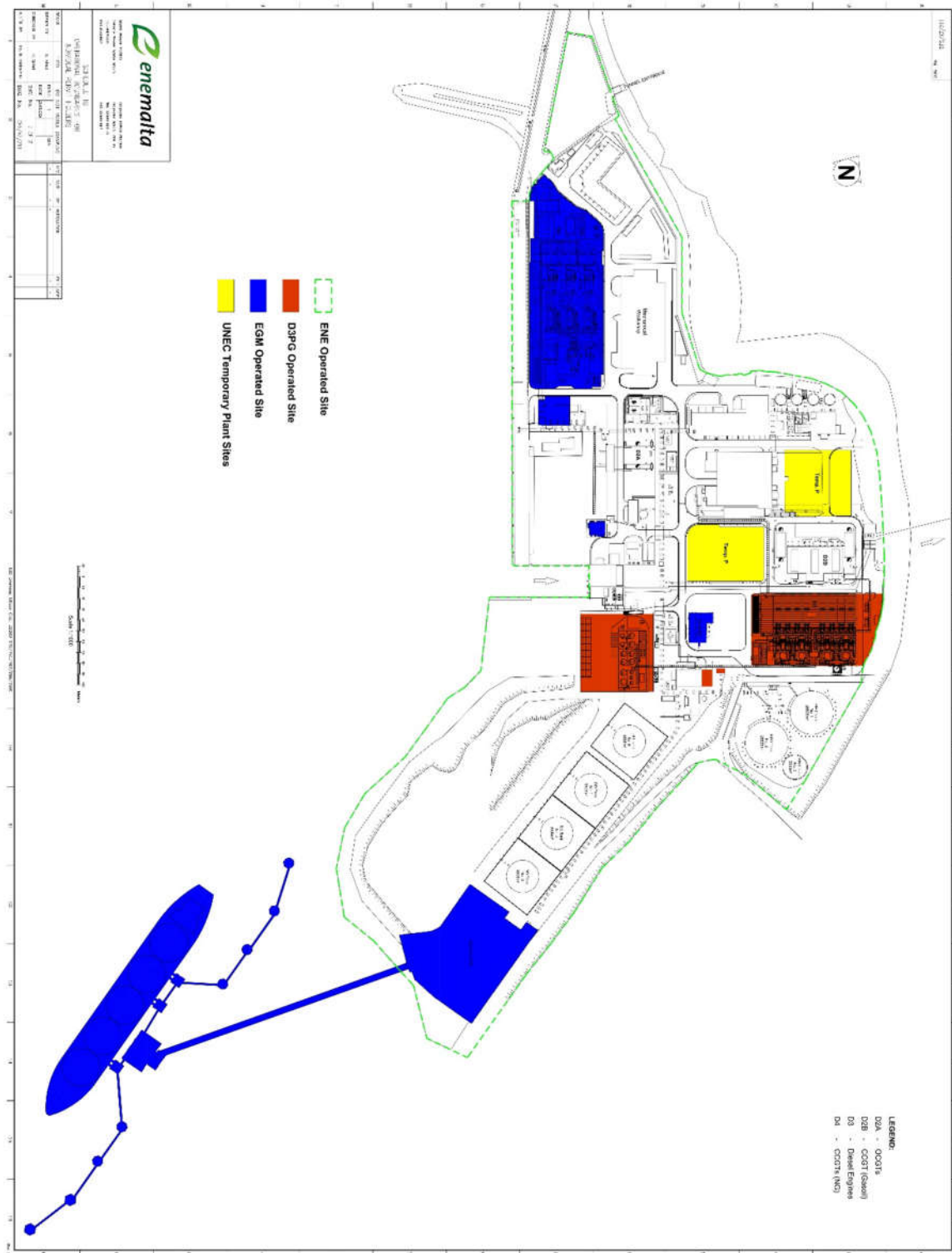


Fig. 1: Site of installation showing the extent of area authorised for operations for the carrying out of the operations specified in Condition 1.1.1. The extent of the site boundary is indicative and shall not be used for interpretation purposes.

Schedule 2 – Annual Environment Report

No changes

Schedule 3 – Quarterly Reporting

No changes

Schedule 4 – Monthly Reporting

No changes

Schedule 5 – Template for Exemption from Emission Limit Values

No changes

Schedule 6 – Notification of operation of DPS 2 to 5 plant

No changes

END OF NOTICE