**Annex I:** Comments regarding the IPPC application – Amino Chemicals Malta (IP0005/2021)

***Form A***

| Section | Duly made? | ERA Comments 23rd June 2021 | Amino Chemicals Comments 12th July 2021 | ERA Comments 30th September 2021 | Amino Chemicals Comments 27/10/2021 |
|---|---|---|---|---|---|
| A1.1 | ✓ | Noted | | | |
| A1.2 | ✓ | Noted | | | |
| A1.3 | ✓ | Noted | | | |
| A1.4 | | Sewer Discharge Permit DMU6946 – Renewed on 24/11/2020 (Ref. P/01051/7) not provided | It is provided the document Reference 0008/2021 with the permit attached | Noted. | |
| A2.1 | ✓ | Noted | | | |
| A2.2 | ✓ | Noted | | | |
| A3.1 | ✓ | Noted<br><br>For applications from companies, please provide a copy of the certificate of incorporation or registration and any certificates of subsequent name changes referred to as "1992" in the application form. | It is provided the document Reference 009/2021 with the certificate attached | Noted | |
| A3.5 | ✓ | Noted | | | |
| A3.6 | ✓ | Noted | | | |
| A4 | ✓ | Noted | | | |

***Form C***

| Section | Duly made? | ERA Comments 24 May 2021 | Amino Chemicals Comments 12th July 2021 | ERA Comments 30th September 2021 | Amino Comments 27/10/2021 | ERA Comments 2nd November 2021 | Amino Chemicals Comments 9th December 2021 |
|---|---|---|---|---|---|---|---|
| C1.1 | ✓ | Noted | | | | | |
| C1.2 | ✓ | Document: 001/2021<br><br>Noted | | | | | |
| C1.3 | ✓ | Document: 002/2021<br><br>• Kindly clarify whether the point mentioned ''needs to be revised to indicated further activities of the chiller units/ cooling towers systems installed '' refers to the cooling towers already notified to the Authority in previous applications, or is this is reference to new chillers units/cooling towers?<br>• On the improvement programme item completion kindly note that such a list will be updated in an upcoming future renewal. | • It is related to the already installed chillers units and previously noted in Variation of IPPC E, dated on 30th April 2014<br><br>• N/A | Noted | | | |
| C1.4 | ✓ | Noted | | | | | |
| C1.4.1 | ✓ | Document: 003/2021<br><br>Kindly clarify whether there will be any bunding or any additional fuel storage area with the proposed changes. In case of bunding, applicant is to provide a certificate from a third party warranted engineer or architect showing how all bulk liquid fuel storage tanks, including tanks within the plant, shall be provided with an adequately designed bund system with an impermeable base and walls. 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 greater. All filling and off-take points shall be located within the bund. | Document Reference 003/2021 updated with the requested information<br><br>Kindly note we will be providing certification by August from a qualified engineer | Kindly provide certification of bunding as soon as this is available and details on the maximum storage capacity of the fuel storage tanks of the generator. | Email Attachment dated on 11/10/2021 is certification that should fulfil the requirements | Applicant is to provide a site layout plan which clearly labels for each of the fuel tanks (T1, T2, T3, T4, etc). .<br><br>Furthermore, bund capacities of Tanks 2, 3 and 4 are less than 110% of the storage tank capacity and therefore the bund suitability will be evaluated upon a site visit. | Kindly refer to Annex 1 for waste stream and fuel tanks as found in annex 1 submitted as part of submission 2 |
| C1.4.2 | ✓ | Document: 004/2021<br><br>Kindly indicate the proposed area of the relocation of the nitrogen generator on a site plan.<br>In addition, ERA requests a complete site layout plan with an exhaustive general description of site including but not limited to underground tanks, above ground tanks, | Document Reference 0004/2021 updated with the requested information | Whilst noting the revised location for the nitrogen generation plant in Doc 0004/21, an exhaustive site layout plan is required showing all site features described in permit IP 0003/06/F including but not limited to each waste storage area, emission and effluent discharge points. | | Noted. | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | cooling towers, nitrogen generator, waste management area etc. | | | | | |
| C1.4.3 | ✓ | Document: 005/2021<br><br>Noted | | | | | |
| C2.1 | N.A | Noted | | | | | |
| C2.2.1 | N.A | Noted | | | | | |
| C2.2.2 | N.A | Noted | | | | | |
| C2.2.3 | N.A | Noted | | | | | |
| C2.2.4 | N.A | Noted | | | | | |
| C2.2.5 | N.A | Noted | | | | | |
| C2.3 | N.A | Noted | | | | | |
| C2.4 | N.A | Noted | | | | | |
| C2.5 | N.A | Noted | | | | | |
| C2.6.1 | N.A | Noted | | | | | |
| C2.6.2 | N.A | Noted | | | | | |
| C2.7 | N.A | Noted | | | | | |
| C2.8 | N.A | Noted | | | | | |
| C2.9 | N.A | Noted | | | | | |
| C2.10 | N.A | Noted | | | | | |
| C2.11 | N.A | Noted | | | | | |
| C3.1.1 | N.A | Noted | | | | | |
| C3.1.2 | N.A | Noted | | | | | |
| C3.1.3 | N.A | Noted | | | | | |
| C3.2 | N.A | Noted | | | | | |
| C3.3.1 | N.A | Noted | | | | | |
| C3.3.2 | N.A | Noted | | | | | |
| C3.3.3 | N.A | Noted | | | | | |
| C3.3.4 | N.A | Noted | | | | | |
| C3.4 | N.A | Noted | | | | | |
| C3.5 | N.A | Noted | | | | | |
| C3.6 | x | **Document: 006/2021**<br><br>Kindly update the site plan such that the indicated new location of the generator tallies Schedule 3A of IP0003/06/F, as such that the revised site plan can be updated in the permit. | Kindly note that points No.5 corresponding to emergency generators in the plant are already updated in the site layout. So, the Schedule 3A of IP 00003/06/F could be updated in the permit | Further to question C1.4.2 above, kindly list all of the emission point reference numbers in Table 2.2.1 of Permit IP 0003/06/F in the site plan.<br><br>Eg. PS1A, PS1B, PS1C (rather than simply labelling reference 1). | With reference to section C3.6, we have updated document: 006/2021 and attached to email dated on 11/10/2021 | Whilst noting the revised site plan, which includes all emission points, you are kindly requested to provide a higher resolution image so that each PS label *(PS1A, PS1B…)* can be easily read.<br><br>Regarding emissions of VOC's from organic solvents applicant is to select compliance with one of the following two options: | Plans submitted |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | 1. A total emission limit value of 15% of the solvent input or<br>2. An emission limit value for waste gases of 150mgC/Nm$^3$ for point source 1A, 1B and 1C and a fugitive emission value of 15% of the solvent input | |
| C3.7 | N.A | Noted | | | | | |
| C3.8 | N.A | Noted | | | | | |
| C3.9 | ✓ | Noted, kindly note response in statutory consultation feedback | See comments in statutory consultation feedback document. | Noted. | | | |
| C3.10 | N.A | Noted | | | | | |
| C3.11 | N.A | Noted | | | | | |
| C4.1 | N.A | Noted | | | | | |
| C4.2 | N.A | Noted | | | | | |
| C5.1 | N.A | Noted | | | | | |
| C6.1 | ✓ | Noted, should read Marsa local council | Form C modified and submitted | Noted | | | |
| C6.2 | ✓ | Kindly list neighboring sites | It is provided the document Reference 010/2021 including the requested information | Noted | | | |
| C6.3 | N.A | Noted | | | | | |
| C7.1 | ✓ | **Document : 007/21**<br><br>DN 01042/20<br>DN 00693/14<br><br>Noted | | | | | |
| C8.1 | N.A | Noted | | | | | |
| C8.2 | ✓ | Noted | | | | | |
| C9.1 | ✓ | Noted | | | | | |

**Annex II: Feedback received following the Statutory Consultation carried out for the application of variation of Amino chemicals Malta (IP0005/21) carried out between 22nd April 2021 – 6th May 2021**

| Comment received by: | Feedback | ERA reply and comment | Amino Chemicals Comments 12th July 2021 | ERA comments 30th September 2021 | Amino Comments 27/10/2021 | ERA Comments 2nd November 2021 | Amino Chemicals Comments |
|---|---|---|---|---|---|---|---|
| **External Consultees Feedback** | | | | | | | |
| **Environmental Health Directorate** | 1. With the variation mentioned the Directorate has no objection.<br>2. The applicant has 4 cooling towers registered with the Environmental Health Directorate.<br>With the variation mentioned in the documentation, will there be an effect on the cooling towers? If there will be any changes in cooling towers and/or water system (both hot and cold-water systems), the Legionella Risk Assessment manual must be updated accordingly to the new site plan | 1. Noted<br>2. From the variation listed, it is understood that there will be no changes to the cooling tower. Operator to confirm | It is confirmed that there are not changes/effects in cooling towers/water system | Noted | | | |
| **Regulatory for Energy and Water Services** | Amino Chemicals is authorised by the REWS to operate a secondary storage facility with a number of fuel tanks and generators by means of authorisation SSF/49. We note that the electrical generator for the A50 office building will be/has been relocated. Even though this is a re-location, Amino Chemicals should contact their REWS competent person to submit a document or declaration that the electrical generator has been relocated to a place, away from any hazards i.e. operating to the latest fuel codes of practice. The operators should contact the Regulator for any changes/queries related to the storage of fuel, fuel burning equipment (such as | Operator to take note and act accordingly. | REWS competent person is contacted to perform assessment and report will be submitted to ERA in accordance with request by August | Applicant is to provide this report. | Report sent 11/10/2021 | | |

| Comment received by: | Feedback | ERA reply and comment | Amino Chemicals Comments 12th July 2021 | ERA comments 30th September 2021 | Amino Comments 27/10/2021 | ERA Comments 2nd November 2021 | Amino Chemicals Comments |
|---|---|---|---|---|---|---|---|
| | generators) and Authorisation SSF/49 in general. | | | | | | |
| **Water Services Corporation** | No feedback received | – | | | | | |
| **OHSA** | OHSA has no objection to this application as long as the applicant abides by all relevant occupational health and safety regulations. | Operator to take note. | Noted | Noted. | | | |
| **Civil Protection Department** | No feedback received | – | | | | | |
| **EWA** | No feedback received | – | | | | | |
| **MCCAA** | No feedback received | – | | | | | |
| **Malta Resources Authority** | No feedback received | – | | | | | |
| **Planning Authority** | No feedback received | – | | | | | |
| **Internal Consultees Feedback** | | | | | | | |
| **Environmental Assessment Unit** | No comments | – | | | | | |
| **Biodiversity & Water Unit** | Noting that the proposed changes do not impact discharges to sea, we have no comments to put forward. | – | | | | | |

| Comment received by: | Feedback | ERA reply and comment | Amino Chemicals Comments 12th July 2021 | ERA comments 30th September 2021 | Amino Comments 27/10/2021 | ERA Comments 2nd November 2021 | Amino Chemicals Comments |
|---|---|---|---|---|---|---|---|
| **Air & Waste**<br><br>**Air Quality Team** | As the variations are very minimal (no changes to operation, merely just moving some equipment to another location), with no changes in emissions to air, we have no comments at this time. | – | | | | | Documentation sent |
| **Air & Waste**<br><br>**Waste Management Team** | No comments | – | | | | | |
| **Air & Waste Noise** | Any upcoming noise monitoring should take into account any potential noise impacts in view of the relocation of the generator and nitrogen plant. | Applicant to determine whether the relocation could impact any sensitive receptors. | It is booked for a noise assessment to be carried out 13/07/2021. Once assessment is received, we will send out to ERA | Applicant is to provide the noise assessment report. | Report sent 11/10/2021 | Applicant is to:<br><br>1. To include LAeq readings rather than just LA90 readings – as the noise level of interest is from the specific source itself (generator)<br><br>2. In order to confirm impact at receptors, it is being suggested that the distance attenuation formula is used to calculate the estimated noise level (LAeq) at the receptor.<br><br>3. It is suggested that baseline noise levels captured during the study carried out in April 2021 are considered in order to provide a holistic assessment of the estimated noise levels from the generator at receptor (according to calculation in point 2) | |

| Comment received by: | Feedback | ERA reply and comment | Amino Chemicals Comments 12th July 2021 | ERA comments 30th September 2021 | Amino Comments 27/10/2021 | ERA Comments 2nd November 2021 | Amino Chemicals Comments |
|---|---|---|---|---|---|---|---|
| | | | | | | with the background noise levels measured (LA90) in April 2021.<br><br>4. Information of measurement procedure such as height of microphone from ground, distance away from nearest building etc should be included in the report, together with calibration certificates | |
| **Compliance & Enforcement** | No comments on application. | – | | | | | |
| **Environmental Permitting:** | • There are no comments from a TFS perspective<br>• The following condition is to be included in the permit: ''Permit Holder shall renew their registration with ERA as a producer of packaging and provide the required information as set out in Subsidiary Legislation 549.43, the Packaging and Packaging Waste Regulations unless putting less than 100kgs of packaging on the market annually. In case the Permit Holder opts to be self-compliant for back-end packaging, the targets as set out in Subsidiary Legislation 549.43, the Packaging and Packaging Waste Regulations, shall also be achieved. Documentation in relation to the Permit Holder's obligations pertaining to S.L 549.43, the Packaging and Packaging Waste Regulations shall be maintained for a period | Condition 2.5.1.11 already caters for this requirement. Nonetheless the permit condition will be updated as requested. | Requirement is achieved annually | No further actions | | | |

| Comment received by: | Feedback | ERA reply and comment | Amino Chemicals Comments 12th July 2021 | ERA comments 30th September 2021 | Amino Comments 27/10/2021 | ERA Comments 2nd November 2021 | Amino Chemicals Comments |
|---|---|---|---|---|---|---|---|
| | of 5 years and be made available, upon request by ERA.'' | | | | | | |

# Noise assessment report

Amino Chemicals Limited, MRA 050X, Marsa Industrial Estate, Marsa, MRS 3000

Report ref: 21MS-025.1

# Noise assessment report

Amino Chemicals Limited, MRA 050X, Marsa Industrial Estate, Marsa, MRS 3000

## NOISE ASSESSMENT

### 1. Scope

This report is an Addendum to the Noise assessment report carried out on 07th April 2021 by Ing. Noella Cassar and is aimed to assess the potential effects of noise transmitted by the operation of a newly installed electrical backup generator on the adjacent residential receptors.

### 2. Assessment of the source and relevant context

The location of the new generator is indicated in the site plan shown in Figure 1.


**Figure 1.** *Location of Generator at Amino Chemicals and location of residential third-party properties with respect to the site boundaries of Amino Chemicals.*

The generator is located at basement level of Building A50 within the Amino Chemicals plant. It is enclosed on three sides by brick walls (Figure 2) which create a buffer reducing the noise levels emitted to the outside. The fourth side enclosing the Generator leads to a Garage which is separated from the overlying outdoor area via an open type gate and it is through the openings of this gate that the majority of the noise is emitted to the outside.

**Figure 2.** *Generator located at basement level of Building A50 enclosed on three sides with brick walls with fourth side comprising of an open type gate.*

The Generator being assessed in this report shall be switched on only in cases of power interruption from Enemalta and occasionally for maintenance and testing purposes. In such cases, the Generator shall be switched on during the daytime but for an approximate duration of 30 minutes.

For the purpose of this study, the noise levels were measured at the positions indicated in Figure 3 to determine whether the steady and continuous noise produced by the generator was measurable at the site perimeter.

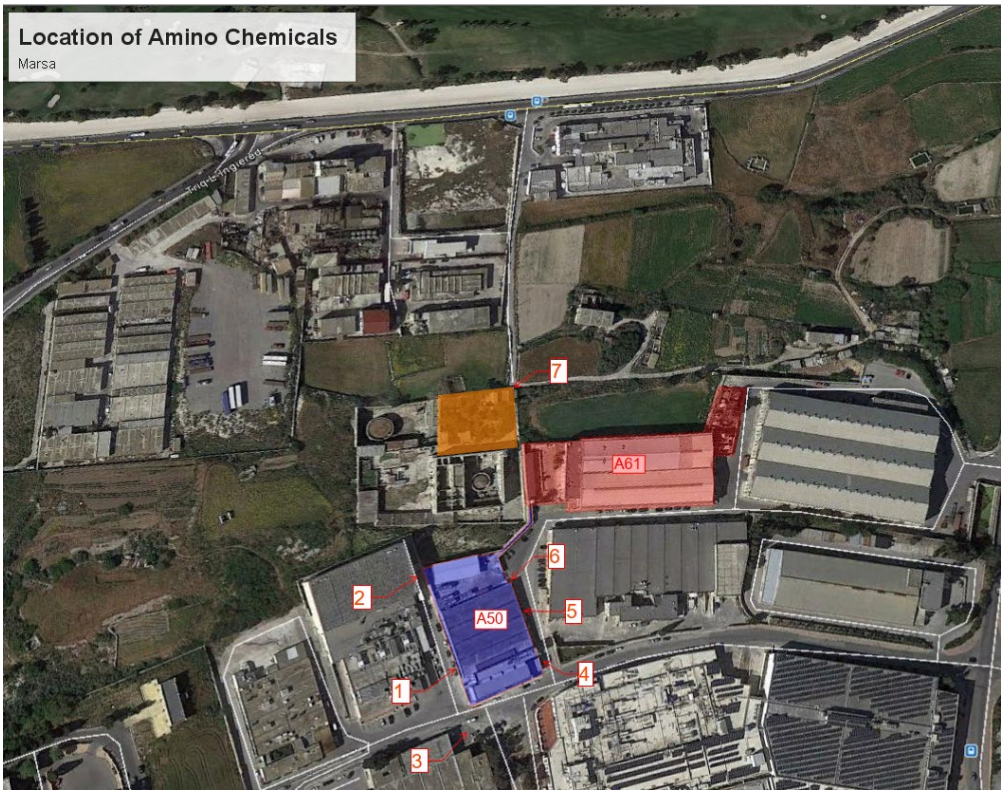


**Figure 3.** *Location of positions where noise levels were measured.*

## 3. Equipment

| | |
|---|---|
| **Sound Level Meter** | |
| **Manufacturer** | Cirrus Research plc |
| **Type** | CK: 171A |
| **Serial Number** | G080702 |
| **Compliant to** | IEC 61672-1: 2013 Class 1 Group X |
| | IEC 60651: 2001 Type 1 |
| | IEC 60804: 2000 Type 1 |
| | IEC 61252: 1993 |
| **Certificate Number** | I2238221-1 |
| **Date of Calibration** | 23/12/2021 |

## 4. Operational Tests

The sound level meter was calibrated before the readings were taken, as suggested by the manufacturer due to the exposed microphone which may be susceptible to damage during transportation. The calibration (using calibrator type CR: 515 – suggested by the manufacturer) applies corrections as needed to ensure that the measurements are as accurate as possible. Results of the calibration are presented in the table below where it can be noted that the calibration offset is minimal which shows accuracy and reliability of the instrument.

| | |
|---|---|
| **Calibrated to** | 93.7 dB |
| **Calibration offset** | -0.75 dB |
| **Calibration date** | 05-Jan-22 |
| **Calibration time** | 09: 54:00 am |

## 5. Weather conditions

Weather conditions on measurement day were as follows:

| | |
|---|---|
| **5th January 2022 (09:45 – 10:45 hrs)** | |
| **Wind direction and speed on site** | SW / Windspeed negligible and does not affect measurement levels |
| **Presence of conditions likely to lead to temperature inversion** | None |
| **Precipitation** | None |
| **Fog** | None |
| **Wet ground** | None |
| **Frozen ground or snow coverage** | None |
| **Temperature** | 17°C |
| **Cloud cover** | Some passing clouds. |

## 6. Measurement and Reference time intervals

Since the noise generated from the Generator is steady and continuous, a short measurement interval was considered as indicated in Table 1.

The microphone was set approximately 1 metre above the ground with the microphone directed towards the noise source but away from the wind direction to minimize any wind interference.

## 7. Ambient and residual noise levels

BS 4142: 2014 defines the residual sound level as the sound which remains present when the specific sound source being investigated is suppressed. On the other hand, the ambient sound level is defined as the equivalent continuous A-weighted sound pressure level which comprises of the specific sound pressure from the source being investigated and the residual sound level.

The ambient noise with the Generator switched on was measured on 5th January 2022 between 09:45 and 10:45 at Points 1 to 6 indicated in Figure 3.

It is important to note that only from point 1 was the noise measured predominantly from the Generator located at basement level of Amino Chemicals. The noise measured at point 2 was predominantly from the equipment of third-party industrial premises and the noise measured at point 3 was from a combination of the generator, general background activities and from passing traffic.

Furthermore, in points 4 – 6 the noise from the Generator was not audible. The predominant noise at these positions was observed to be emitted from general background activities carried out from the Industrial premises in the area and from passing traffic. Hence, noise measurements were not taken at points 4, 5 and 6 where the Generator was inaudible.

**Table 1.** *Measured ambient noise levels at Positions 1-6.*

| Position | Description of where measurement was taken | Measurement Duration | LA 90 dB(A) | LA eq dB(A) | Comments |
|---|---|---|---|---|---|
| **1** | On the public kerb leading to the basement level where the Generator is housed. | 00: 01: 10 | 79.3 | 79.8 | Noise predominantly from Generator. |
| **2** | Down the road adjacent to a third-party Industrial Premises | 00: 01: 04 | 57.4 | 58.4 | Noise predominantly from equipment of third-party Industrial Premises. |
| **3** | Up the road adjacent to a third-party Industrial Premises | 00: 01: 02 | 57.9 | 58.4 | Noise from Generator, general background activities and from passing traffic. |
| **4** | Road on opposite side of generator entry ramp. | NA | NA | NA | Generator was not audible. |
| **5** | Road on opposite side of generator entry ramp. | NA | NA | NA | Generator was not audible |
| **6** | Road on opposite side of generator entry ramp. | NA | NA | NA | Generator was not audible |

The residual noise level, i.e. the noise level with the Generator switched off, at the closest residential unit was measured as indicated in the table below.

**Table 2.** *Measured residual noise level at Positions 7.*

| Position | Description of where measurement was taken | Measurement Duration | LA 90 dB(A) | LA eq dB(A) | Comments |
|---|---|---|---|---|---|
| **7** | Adjacent to the closest residential unit. | 00: 01: 02 | 52.0 | 53.0 | |

The Generator can be considered as a point source with the energy of the sound waves being radiated uniformly in a hemispherical direction (since the source is close to the ground). This noise diminishes with distance in accordance with the point source hemispherical attenuation equation defined in BS 4142: 2014.

In this report, the hemispherical attenuation equation was applied to calculate the noise level (LA eq) received at the closest residential unit when the Generator is switched on. This was calculated to be equal to 46.5dB. This noise level does not take into account other theoretical sound attenuation features such as land level difference and screening by intermediate lying buildings that are present. Therefore, the undersigned confirms that after taking into account the screening effects of the buildings and level differences in land elevation, the noise level received by the closest residential unit when the Generator is switched on will be less than 45 dB.

## 8. Conclusion

From the assessment carried out, it can be concluded that since the propagated noise level from the Generator as received at the closest residential unit is less than the residual noise level measured at the closest residential unit, then the noise levels produced by the Generator located at basement level of Amino Chemicals will not be audible from the residential units.

Therefore, even in the limited envisaged time of operation of the Generator, this shall not cause an impact of noise annoyance to the nearest residential third parties.

END OF REPORT
PREPARED ON 6th JANUARY 2022

**Ing. Mariella Schembri**
B.Eng. (Hons.), M.Sc. (Southampton)
Warrant No: 2293

**Ing. Christopher Sammut**
B.Eng.(Hons.), M.Sc.(Building Services), MASHRAE, AMIOA
Warrant No: 667

Measurement and Calibrations Services Unit
MRA049B, Marsa Industrial Estate,
Marsa MRS3000. Malta
tel.: +356 21226841, +356 21226844
fax.: +356 23331204

**Certificate No. I2238221-1**

# CALIBRATION CERTIFICATE

This document certifies that the instrument detailed in section 2 has been calibrated by the Measurement & Calibration Services Unit of Inspectra Ltd. All measurement results reported in this certificate were obtained following standard operating procedures. The reference standards are indicated in section 5 from which starts the traceability chain of the Measurement & Calibration Services Unit laboratory. The traceability chain proceeds uninterrupted towards national or international standards of the *International System of Units (SI)*. They relate only to the calibrated item and they are valid for the time and conditions of calibration, unless otherwise specified.



## 1. GENERAL INFORMATION

| | |
|---|---|
| **DATE OF ISSUE** | 04/01/2022 |
| **CUSTOMER** | John Fenech/NASoM |
| **ADDRESS** | c/o 37, Triq Ir-Rummien, San Gwann, Malta |
| **POST CODE** | SGN2072 |
| **ORDER NUMBER** | 2189 |
| **DATE OF CALIBRATION** | 23/12/2021 |
| **CONFORMITY STATEMENT** | Required |
| **DECISION RULE APPLIED** | As per manufacturer specification |

## 2. INSTRUMENT DETAILS

**(Info provided by the customer)**

| | |
|---|---|
| **TYPE** | Sound Level Meter (Digital) with Acoustic Calibrator |
| **MANUFACTURER** | Cirrus |
| **MODEL** | Sound Level Meter: CK:171A<br>Acoustic Calibrator: CR:515 |
| **SERIAL NO** | Sound Level Meter: G080702<br>Acoustic Calibrator: 84352 |
| **IDENTIFICATION NO** | Sound Level Meter: N/a<br>Acoustic Calibrator: N/a |
| **CALIBRATED RANGE (dB)** | Sound Level Meter:94 to 114<br>Acoustic Calibrator: 94 |

## 3. AMBIENT CONDITIONS

| | START | END |
|---|---|---|
| **TEMPERATURE °C** | 23.1 | 23.5 |
| **RELATIVE HUMIDITY %** | 54.3 | 52.1 |

## 4. APPROVAL

| | | |
|---|---|---|
| **CERTIFICATE COMPILED BY** | Mahesh Reddy Katta | Laboratory technician |
| **CERTIFICATE APPROVED BY** | Shaun Gaffarena | Laboratory Manager |

## 5. EQUIPMENT

| TYPE | SERIAL NO | CALIBRATED BY | CERTIFICATE NO | NEXT CALIBRATION |
|---|---|---|---|---|
| Therm/Hygrometer | 160828272 | Calab Malta | 10120 | Feb-22 |
| Sound Level Meter | 2017030514 | KALMET | I2179721 | Jul-22 |
| Sound Level Calibrator | N930997 | Metrix Engineering | A0820621 | Jun-22 |

## 6. MEASUREMENT TRACEABILITY

The measurements are traceable to international standard units of sound through a series of comparisons.

Compiled By: 

Approved By: 

Measurement and Calibrations Services Unit
MRA049B, Marsa Industrial Estate,
Marsa MRS3000. Malta
tel.: +356 21226841, +356 21226844
fax.: +356 23331204

**Certificate No. I2238221-1**

## 7. PROCEDURE

The procedure used is MCSU_SOP 52 , which is extracted from ISO 6926:2016 "Acoustics -- Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels"

## 8. RESULTS

### Accoustic Calibrator

### Fast

| dB applied | Reference Indication | Error of Indication | Tolerance | Conformity |
|---|---|---|---|---|
| (dB) | (dB) | (dB) | (dB) | [*] |
| 94.0 | 94.5 | 0.5 | 0.5 | C |

### Slow

| dB applied | Reference Indication | Error of Indication | Tolerance | Conformity |
|---|---|---|---|---|
| (dB) | (dB) | (dB) | (dB) | [*] |
| 94.0 | 94.4 | 0.4 | 0.5 | C |

### Sound Level Meter

| Test Indication | Reference Indication | Error of Indication | Tolerance | Conformity |
|---|---|---|---|---|
| 94.1 | 94.0 | -0.1 | 1.5 | C |
| 114.4 | 114.0 | -0.4 | 1.5 | C |

[*] In this section is indicated the compliance with specified limits. Possible cases are:

C: The calibrated item complies with the stated specification at the measured point.

NC: The calibrated item does not comply with the stated specification at the measured point.

In tolerance/Not in tolerance statement is based on simple acceptance rule (Refer to ILAC-G8:09/2019 Guidelines on Decision Rules and statement of conformity).

**Note:** Certificate re-issued due to a change in client details*

***END***

Compiled By:

Approved By:

## 1.0 General

| SECONDARY STORAGE FACILITY DETAILS | | |
|---|---|---|
| Company / Individual Name: | Company Reg. No / Individual ID Card No.: | Address of Secondary Storage Facility: |
| Amino Chemicals Ltd | C13583 | MRA 050X<br>Industrial Estate<br>Marsa |

## 2.0 Competent Person details:

| | | |
|---|---|---|
| Full Name:<br>KONRAD MAISTRE | ID Card / Passport No.:<br>210167M | REWS Competent person No.:<br>210167 |
| Land Line Tel. No.:<br>21389741 | Mobile No.:<br>79537983 | Email Address:<br>kmais13@yahoo.com |

## 3.0 Storage Tank Details

| Storage Tank Number | Petroleum Type | CN Code | Holding Max. Capacity (Litres) | Use of Fuel |
|---|---|---|---|---|
| Tank 1 | Diesel En 590 | 2710 19 41 | 9000 | Boiler |
| Tank 2 | Diesel En 590 | 2710 19 41 | 110 | Generator |
| Tank 3 | Diesel En 590 | 2710 19 41 | 340 | Generator |
| Tank 4 | Diesel En 590 | 2710 19 41 | 150 | Fire Pump |
| Tank 5 | Diesel En 590 | 2710 19 41 | 150 | Fire Pump |

| Storage Tank Number | Single / Double Skin: | Storage Location | Tank Manufacture | Tank manufacture year: | Tank installation year: |
|---|---|---|---|---|---|
| Tank 1 | Single Skin | Overground | F&R Salvador | 2012 | 2012 |
| Tank 2 | Single Skin | Overground | Iveco | Unknown | Unknown |
| Tank 3 | Single Skin | Overground | Perkins | Unknown | Unknown |
| Tank 4 | Single Skin | Overground | Iveco | Unknown | Unknown |
| Tank 5 | Single Skin | Overground | Iveco | Unknown | Unknown |

## 4.0 Bund Details

| Storage Tank Number | Bund Material | Holding Capacity (Litres) | Lining | Drain Valve |
|---|---|---|---|---|
| Tank 1 | Stone Wall | 12951 | Paint | Existing |
| Tank 2 | Sheet Metal | 109 | None | None |
| Tank 3 | Sheet Metal | 374 | None | None |
| Tank 4 | Sheet Metal | Tray | None | None |
| Tank 5 | Sheet Metal | Tray | None | None |

## 5.0 Ancillary Equipment

| Storage Tank Number | Fill Point | Air Vent | Flame Arrestor | Fuel Level Indicator | Tank Supports |
|---|---|---|---|---|---|
| Tank 1 | Remote | OK | Fitted | OK | OK |
| Tank 2 | Direct | OK | Not required | OK | OK |
| Tank 3 | Direct | OK | Not required | OK | OK |
| Tank 4 | Direct | OK | Not required | OK | OK |
| Tank 5 | Direct | OK | Not required | OK | OK |

## 5.0 Ancillary Equipment

| Storage Tank Number | Pipe Work | Fire Extinguishers | Vent Valve | Hazard Notices | Electrical Installation |
|---|---|---|---|---|---|
| Tank 1 | OK | OK | Fitted | OK | OK |
| Tank 2 | OK | OK | Not required | OK | OK |
| Tank 3 | OK | OK | Not required | OK | OK |
| Tank 4 | OK | OK | Not required | OK | OK |
| Tank 5 | OK | OK | Not required | OK | OK |

| Corrective Actions | | | |
|---|---|---|---|
| No. | Inspection Findings | Corrective Action | Target Date |
| 1 | No serial number on tanks | To add serial numbers to tanks for identification purposes | 31-08-2021 |
| 2 | | | |
| | | | |
| | | | |

## Competent Person details and declaration

I, the undersigned Competent Person whose full details are given in Section 2.0, hereby declare that I have carried out the inspection of the Secondary Storage Facility described in Section 1.0 with the necessary diligence and care on the 20th July 2021 and that the above assessment and findings at the time of the inspection are true and correct.

I certify that this installation is safe for use as long as the listed corrective actions are followed up and implemented by the target dates given. I have explained the findings of this report to the responsible person of this installation.

Secondary Storage Facility shall be due for the next inspection by a competent person on the 20-07-22

Signature

Date 20/07/21


Ing Konrad Maistre
Warrant no: 431

REGULATOR FOR ENERGY & WATER SERVICES

Zentrum Business Centre, Level 1, Mdina Road, Ħal Qormi QRM 9010, Malta
Tel: +356 22955000 Fax: +356 22955200
e-mail: enquiry@rews.org.mt Website: www.rews.org.mt

**Petroleum for the Inland (Retail) Market Regulations – S.L. 545.22**

# SECONDARY STORAGE FACILITY (NON-LPG) COMMISSIONING REPORT DECLARATION[1]

## 1.0 Disclaimer:

*This* Secondary Storage Facility (Non-LPG) Commissioning Report Declaration *is intended to be used only as a basic (de minimis) document to serve as a basis for the certification by the competent person on a Secondary Storage Installation (Non-LPG) as required by the Regulator for Energy and Water Services. The competent person and the responsible person/owner shall undertake to add any necessary data and information together with this document if necessary. This document does not exonerate the Competent Person from his professional obligations and duties. Neither should it be construed as, and/or should in any way be understood and/or be deemed to exonerate the Competent Person and/or the Authorised Provider from observing or carrying out any requirement or to comply with a provision of any law or any other legal requirement. REWS makes no warranty about the content of this document and cannot be held liable under any circumstances for any direct or indirect damages resulting from its use.*

## 2.0 General:

| Commissioning Report ref. number[2]: 21-810-02 | Date: 12/10/2021 |
|---|---|
| **SECONDARY STORAGE FACILITY DETAILS** | |
| Address of Secondary Storage Facility of Petroleum: MRA 050X Industrial Estate Marsa | |
| Company name / Individual name: Amino Chemicals Ltd | Company registration number / Individual ID card number: C13583 |

## 3.0 Competent Person details:

| Full name: Konrad Maistre | ID card number / Passport number: 210167M | REWS Competent person number: 210167M |
|---|---|---|
| Landline tel. number: 21 | Mobile number: 79537983 | E-mail address: kmais13@yahoo.com |

## 4.0 Storage Tank Details[3]:

| Tank No. | Petroleum Type | Max. Capacity (Litres) | Tank Manufacturer or Brand | Tank Serial Number | Tank Year of Manufacture | Tank Installation Date | Tank Standard |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2 | EN590 | 109 | IVECO | TANK 2 | Unknown | Unknown | NA |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |

[1] This *Secondary Storage Facility (Non-LPG) Commissioning Report Declaration* is to be filled in electronically, printed and signed by the Competent Person and subsequently presented to the Regulator for Energy and Water Services by the applicant together with a **Commissioning Report** of the Secondary Storage Facility, compiled by the Competent Person.

[2] Please insert the corresponding reference number of the **Commissioning Report** of the Secondary Storage Facility, compiled by the Competent Person.

[3] Please insert details of **all** commissioned fuel tanks, including tanks incorporated within equipment (e.g. stand-by generators, fire pumps, etc.)

REGULATOR FOR ENERGY & WATER SERVICES

Zentrum Business Centre, Level 1, Mdina Road, Hal Qormi QRM 9010, Malta
Tel: +356 22955000 Fax: +356 22955200
e-mail: enquiry@rews.org.mt Website: www.rews.org.mt

## 5.0 Commissioning Tests / Examinations Carried out by the Competent Person

| TEST | REFERENCE[4] |
|---|---|
| ☒ Visual Inspection | Not applicable |
| ☐ | |
| ☐ | |
| ☐ | |

## 6.0 Attachments[5]

| ITEM | REFERENCE |
|---|---|
| ☐ Commissioning Report | Refer to the Commissioning Report ref. number in Section 2.0 |
| ☐ Site Plan (Scale 1:2500) | |
| ☐ Training Records | |
| ☐ Drawings | |
| ☐ | |
| ☐ | |

## 7.0 Certification by the Competent Person

I, the undersigned Competent Person whose full details are given in Section 3.0, hereby declare that I have carried out the commissioning of the Secondary Storage Facility described in Section 2.0 with the necessary diligence and care on the 15/07/2021 (hereafter 'commissioning date') as indicated by the Commissioning Report referenced in Section 2.0 accompanying this *Secondary Storage Facility (Non-LPG) Commissioning Report Declaration* and have found it to be fully in conformity with the requirements laid down in the latest issue of the 'Technical Book 3: Domestic and Commercial Requirements for Oil Storage & Supply Equipment' and any other relevant bye-laws, regulations and legislation in force. Thereby, I certify this Secondary Storage Facility as being ready to start its intended operational activity. I also declare that this Secondary Storage Facility shall be due for the next inspection on the 15/7/2022 (insert next Inspection date[6]) by a competent person.

Konrad Maistre

Digitally signed by Konrad Maistre
DN: cn=Konrad Maistre, o=Maistre Services, ou, email=kmais13@yahoo.com, c=MT
Date: 2021.10.13 09:18:55 +02'00'

Signature[7] of Competent Person

12/10/2021
Date

MAISTRE SERVICES
MS
Ing. Konrad Maistre
Warrant No. 431
MAISTRE SERVICES

## 8.0 Data Protection Notice

In processing your personal data, the Regulator will comply with binding legislative requirements imposed by the General Data Protection Regulation EU 2016/679 (the "GDPR") and national Maltese law requiring an adequate data protection standard.

The processing of your personal data by the Regulator shall be done in the exercise of official authority vested in the Regulator and, or in compliance with a legal obligation.

In terms of these legal bases, the Regulator processes your personal information with the Department of Customs, the Department of Health, the Civil Protection Department, the Transport Authority, the Occupational Health and Safety Authority, the Planning Authority, the Environment and Resources Authority, the Malta Competition and Consumer Affairs Authority, the Energy and Water Agency and the National Statistics Office.

You may access the Regulator's Data Privacy Policy at: https://www.rews.org.mt/#/en/a/51-privacy-policy.

[4] Please insert reference corresponding to details on tests carried out as indicated on the Commissioning Report accompanying this declaration.

[5] Please include any drawings / data sheets / supplier technical sheets as applicable.

[6] The next inspection date following the successful commissioning of a Secondary Storage Facility shall not be later than twelve months from the commissioning date. The interval of successive inspections carried out thereafter shall not exceed a period of twenty-four months.

[7] To be signed in wet ink.