



MALTA RESOURCES AUTHORITY

Malta Resources Authority, Millennia 2nd floor, Aldo Moro Road, Marsa MRS 9065, Malta.
Tel: +356 21220619; Fax: +356 22935200; E-mail: enquiry@mra.org.mt

Liquefied Petroleum Gas Market Regulations – S.L. 423.31

INSPECTION & RISK ASSESSMENT REPORT ON LPG SECONDARY STORAGE INSTALLATIONS

Fill-In Instructions:

- (i) This LPG Secondary Storage Inspection report is to be filled in electronically and printed by the Competent Person and subsequently sent to the Malta Resources Authority by the Owner / Responsible Person.
- (ii) After filling in the information in Sections 1.0 and 2.0, the Competent Person checks the Installation against each statement under heading "Situation" in Section 3.0 Inspection Checklist¹.
- (iii) The Competent Person rates the situation under heading "Classification". As a guideline the corresponding value suggested in parenthesis next to each statement should be filled in.
- (iv) For situations rated Med (2) and High (3) the Competent Person needs to suggest a corrective action which when implemented would lower the risk rating to Low (1) (ex. LPG Leak detection system to be installed, a pipe-work to be incorporate a protective GRP sleeve, to install an OPSO valve etc.).
- (v) Instead of suggesting a corrective action, situations that have a rating suggested in parenthesis as Med (2) and High (3), may be rated as Low (1) by the Competent Person as long as a valid rationale is available (ex. short-interval inspection visits by competent person; fully operational LPG leak detection system is in place; proximity wall satisfies criteria of a boundary wall etc.).
- (vi) A target date as agreed with the Owner / Responsible Person needs to be filled in for each respective corrective action. Different corrective actions may have different target dates. When defining the target date, the competent person must be confident that the installation is safe to continue operating until the corrective action is complete. In the case of a rationale this field is to remain blank.
- (vii) Where more than one vessel is present for the same Secondary Storage Installation, the respective statement should be verified against each individual vessel.
- (viii) The Competent Person fills in the date under the heading "Implementation Date" upon verification in a follow-up inspection that the respective corrective action has been duly implemented as intended and is satisfied that as a consequence the rating can be lowered to Low (1).
- (ix) Any additional Observations worth further action may be filled in under Section 3.6
- (x) Any items replaced during this inspection are to be recorded in Section 4.0.
- (xi) Any tests carried out during this inspection are to be indicated in Section 5.0.
- (xii) The Competent Person may also put any additional comments to the MRA under Section 6.0.
- (xiii) The Competent Person is obliged to explain to the Owner / Responsible Person the contents of the report and the implications associated with the use of the installation in its current condition.
- (xiv) Finally the Competent Person certifies the Installation by signing in wet ink Section 7.0 clearly indicating the next Inspection Date decided at his discretion. In the case of situations where the risk has been lowered by short-interval inspection visits, the competent person needs to take into account that the frequency is such that the integrity of the LPG Installation is safe.
- (xv) The Owner / Responsible Person signs in wet ink the Inspection Report in Section 8.0 and returns it duly filled in to the MRA.

¹ For detailed guidelines on LPG Installations, please refer to the latest versions of the MRA LPG Codes of Practice.



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Disclaimer

This 'Inspection & Risk Assessment Report on LPG Secondary Storage Installations' is intended to be used only as a basic document to serve as a basis for the certification by the competent person on LPG Secondary Storage Facilities as required by the Malta Resources Authority. The competent person and the responsible person/owner shall undertake to add any necessary data and information together with this report if necessary. This report 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 owner / responsible person from being obliged to observe, comply with or carry out any requirement or comply with a provision of any law or any other legal requirement for the time being in force. MRA 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.

1.0 General

2.0

REPORT REFERENCE No.:	SEC. STORAGE MRA AUTHORISATION No.:	INSPECTION DATE:	23/01/2015
OWNER'S DETAILS		RESPONSIBLE PERSON'S DETAILS ⁱⁱ	
Name: Sterling Sniff	Name: Mr. Roberto Volpi		
Address: Hal Far Industrial Estate B'bugia	Address:		
Land Line No.:	Mobile No.:	Land Line No.:	Mobile No.:

ⁱⁱ To be filled-in if different from Owner's Details



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2.0 Installation Details – LPG Bulk Tank

LPG Bulk Tank					
Address of authorised facility ⁱⁱⁱ :		CATEGORY:			
Sterling Sniff Hal Far Industrial Estate, B'bugia		<input type="checkbox"/> Commercial		<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Domestic	
Tank Details	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
Tank Brand:	Plinoxotar	Plinoxotar			
Tank Capacity (Litres):	2250	2250	2250		
Tank Serial Number	171687	171686	171688		
Tank Year of Manufacture	2012	2012	2012		
Tank Installation Date	2013	2013	2013		
Tank Location	<input checked="" type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded	<input checked="" type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded	<input checked="" type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded	<input type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded	<input type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded
Tank Condition	<input type="checkbox"/> Reconditioned ^{iv}	<input type="checkbox"/> Reconditioned ^{iv}	<input type="checkbox"/> Reconditioned ^{iv}	<input type="checkbox"/> Reconditioned ^{iv}	<input type="checkbox"/> Reconditioned ^{iv}
LPG Interconnected cylinders (150kg or six or more interconnected portable LPG cylinders whichever the lower)					
Address of authorised facility ⁱⁱⁱ :		CATEGORY:			
None		<input type="checkbox"/> Commercial		<input type="checkbox"/> Industrial <input type="checkbox"/> Domestic	
Total No. of connected cylinders:	0	Total weight of connected cylinders (kg):	0	Total No. of spare cylinders:	0
				Total weight of spare cylinders (kg):	0

ⁱⁱⁱ If different from Section 1.0

^{iv} Re-certification details to be attached

3.0 Inspection Checklist

3.1. Liquefied Petroleum Gas (LPG) Bulk Storage

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.1.1	Vessel(s) located within a building. (3)	N/A (0)			
3.1.2	Above-ground vessel(s) without a pressure relief valve. (3)	N/A (0)			
3.1.3	Vessel(s) too close to fixed ignition source. (2)	N/A (0)			
3.1.4	Vessel(s) without impact protection (e.g. bollards, kerbstone etc.) located in a position susceptible to vehicle collision. (2)	N/A (0)			
3.1.5	Vessel(s) without a stable base. (2)	N/A (0)			
3.1.6	Vessel(s) positioned too close to overhead power lines. (2)	N/A (0)			

¹ Insert Corrective Action intended to lower the risk rating to Low (1).

² Enter reason/s why risk rating is below suggested rating in parenthesis as stated under heading 'Situation'.

³ To be filled in by Competent Person after confirmation of Corrective Action in subsequent follow-up visit.



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3.1.7	Vessel(s) too close to a known un-trapped drain and drain cover is not sealed. (2)	N/A (0)			
3.1.8	Vessel(s) not in compound where valves and/or controls are accessible by the general public. (2)	N/A (0)			
3.1.9	Vessel(s) that has a gas content greater than 95%. (2)	N/A (0)			
3.1.10	Vessel(s) too close to building. (1)	N/A (0)			
3.1.11	Separation distance between vessels insufficient. (1)	N/A (0)			
3.1.12	Vessel(s) too close to an oil storage tank or Flammable Liquids or liquid Oxygen. (1)	N/A (0)			
3.1.13	Below ground vessel(s) with decking fitted above. (1)	N/A (0)			

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3.1.14	Vessel(s) surrounded by vegetation. (1)	N/A (0)			
3.1.15	Vessel(s) without adequate fire protection measures. (1)	N/A (0)			
3.1.16	Above-ground vessel(s) without an appropriate pressure relief valve adaptor. (1)	N/A (0)			
3.1.17	Vessel(s) too close to a boundary or property line. (1)	N/A (0)			
3.1.18	Vessel(s) too close to combustible material. (1)	N/A (0)			

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3.2. Liquefied Petroleum Gas (LPG) Cylinder Storage

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.2.1	Cylinder(s) stored in a basement. (2)	N/A (0)			
3.2.2	Propane cylinder(s) stored and/or used within a domestic premise. (2)	N/A (0)			
3.2.3	Cylinder(s) without a suitable stable base. (2)	N/A (0)			
3.2.4	Cylinder(s) sited too close to opening into building (e.g. door, open-able window, ventilator, appliance flue terminal etc.). (2)	N/A (0)			
3.2.5	Cylinder(s) sited too close to a known un-trapped drain cover not sealed. (2)	N/A (0)			
3.2.6	Cylinder(s) sited too close to fixed ignition source. (2)	N/A (0)			
3.2.7	Cylinder(s) sited and/or stored within a dwelling, or high-rise building, that do not meet safety and installation criteria. (2)	N/A (0)			

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No.	SITUATION	CLASSIFICATION	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.2.8	Battery of cylinders connected to an automatic change over device without OPSO protection. (2)	N/A (0)			
3.2.9	Cylinder(s) not positioned adjacent to a wall or other suitable structure. (1)	N/A (0)			
3.2.10	Cylinder regulator fitted at a height below that of the cylinder outlet valve. (1)	N/A (0)			

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3.3. Liquefied Petroleum Gas (LPG) Pressure Regulators, Meters & Meter Compartments

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.3.1	Bulk storage vessel(s) installation without an appropriate regulator. (3)	N/A (0)			
3.3.2	Vapour off-take cylinder(s) with no regulator fitted. (3)	N/A (0)			
3.3.3	Regulator located within a building and fitted with a limited capacity relief device not piped directly to a safe position outside the building. (2)	N/A (0)			
3.3.4	Bulk storage vessel(s) installation without UPSO protection. (2)	N/A (0)			
3.3.5	Meter and/or regulating equipment not suitable for use with LPG, not according to standards, damaged, tampered with, or in poor condition. (2)	N/A (0)			
3.3.6	Meter and/or regulator showing significant signs of damage from, for example: corrosive atmosphere; mechanical damage or; contact with electrical equipment. (2)	N/A (0)			

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3.3.7	Medium pressure fed meter installation located within a domestic premise. (2)	N/A (0)			
3.3.8	Improper pathway for gas to enter property from meter box(e.g. damaged box, installation pipe-work within meter box entering the property without a sleeve, or protective equipotential bonding exiting the rear of the meter box etc.). (2)	N/A (0)			
3.3.9	Regulator seal broken or tampered with. (1)	N/A (0)			
3.3.10	No protective equipotential bonding connection provided at meter or connection sited in wrong position. (1)	N/A (0)			

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3.4. Liquefied Petroleum Gas (LPG) Service Pipe-Work

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.4.1	PE service pipe-work subjected to first stage (vapour) pressure without OPSO protection. (2)	N/A (0)			
3.4.2	PE service pipe-work operating at medium pressure without OPSO protection. (2)	N/A (0)			
3.4.3	PE service pipe-work entering a building without a suitable gas tight metallic sheath. (2)	N/A (0)			
3.4.4	Medium pressure service pipe-work located within a domestic premise. (2)	N/A (0)			
3.4.5	Service pipe-work in an unventilated void. (2)	N/A (0)			
3.4.6	Service pipe-work installed beneath a building foundation, base of a load bearing wall, or a floating raft foundation. (2)	N/A (0)			
3.4.7	Above ground service pipe-work not adequately protected. (2)	N/A (0)			

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No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.4.8	Service pipe-work fitted without an ECV. (2)	N/A (0)			
3.4.9	Service pipe-work inadequately painted or showing signs of corrosion or damage likely to affect safety. (2)	N/A (0)			

3.5. Miscellaneous

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.5.1	Warning signage absent / not legible or located in a non-prominent position. (2)	N/A (0)			
3.5.2	Fire-fighting equipment and emergency procedures missing / not up to date. Personnel training records missing / out dated (2)	N/A (0)			
3.5.3	Installation drawings missing / not up to date / do not reflect design of the actual installation (2)	N/A (0)			
3.5.4	Fence, gate, locks damaged leading to potentially easy unlawful intrusion to storage compound. (2)	N/A (0)			

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3.5.5	Opening of storage compound gates is not outward and / or path access to gates blocked. (1)	N/A (0)			
3.5.6	Items unrelated to the LPG Installation are present in the storage compound. (1)	N/A (0)			
3.5.7	Less than two means of exit are available for the storage compound and / or gates are not easily and immediately openable from the inside. (2)	N/A (0)			

3.6. Additional observations by Competent Person

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹	TARGET DATE	IMPLEMENTATION DATE ³
3.6.1	LPG bulk tank pressure gauges faulty	N/A (0)			
3.6.2	No OPSO/UPSO device on second stage regulator	N/A (0)			
3.6.3	Rubber hoses to replace, plugs to be added in pipework where necessary	N/A (0)			

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4.0 Replacement of Parts

ITEM REPLACED	REMARKS
<input type="checkbox"/> Pressure Relief Valve	
<input type="checkbox"/> Contents Gauge	
<input type="checkbox"/> Fill Valve	
<input type="checkbox"/> Vapour take-off Valve	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

5.0 Additional Tests / Examinations Carried out by the Competent Person

TEST	REMARKS
<input checked="" type="checkbox"/> Low Pressure Gas test	Portable gas detector used to inspect the gas line where connections where used. No leaks found.
<input checked="" type="checkbox"/> Intermediate Service Pipe work test	Portable gas detector used to inspect the gas line where connections where used. No leaks found.
<input type="checkbox"/> Ultra Sonic Test	
<input checked="" type="checkbox"/> Visual Examination (vessel & Pipe work)	
<input type="checkbox"/> Acoustic Emission Test	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

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6.0 Additional Remarks by Competent Person (if any)

None

[Signature]



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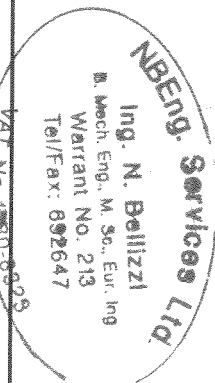
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7.0 Certification by Competent Person

Full Name:	ID Card No.:	MRA Competent person No.:
ING. NICHOLAS BELLIZZI	425181 (m)	MRA 01
Address:	Land Line Tel. No.:	Mobile No.:
NBEngineering Services Ltd Flat 1, Block 4, St.Peter's Court Triq J.G.Baldacchino, Zabbar		21805046
	E-mail Address:	99804748
		nikibel@onvol.net

I, the undersigned competent person, hereby declare that I have inspected the LPG secondary storage facility described in Section 2.0 on 23/01/2015 (insert inspection date) and that this assessment report is a true and correct report of the inspection. I certify this installation safe for use and which shall be due for the next inspection by a competent person on Jan 2016 (insert next inspection date).

N. Bellizzi
Signature of Competent Person & Date



Official Rubber Stamp

8.0 Declaration by Owner / Responsible person

I, the undersigned Owner / Responsible Person of the above-certified Facility described in Section 2.0, declare that I have understood all the contents of this report, after such contents having been explained to me by the competent person. I agree to implement the corrective actions as described in this report by not later than the target dates specified. Furthermore I declare that I will submit another follow-up Inspection report to the Malta Resources Authority as per above specified due date. I also understand that in the case of failure to implement the agreed corrective actions and to submit the necessary proof of their implementation thereof, I shall be making myself liable for any necessary action by the Malta Resources Authority. I understand and agree that the Authority may require further inspections to be made when so required.

Signature of Owner /Responsible Person & Date

*Where Corrective Actions are still pending, the next inspection date should not be later than the latest target date. In the case of no pending Corrective Actions, next inspection date should not be in excess of twenty-four months from the date of this inspection report.

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Disclaimer

This 'Inspection & Risk Assessment Report on LPG Secondary Storage Installations' is intended to be used only as a basic document to serve as a basis for the certification by the competent person on LPG Secondary Storage Facilities as required by the Malta Resources Authority. The competent person and the responsible person/owner shall undertake to add any necessary data and information together with this report if necessary. This report 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 owner / responsible person from being obliged to observe, comply with or carry out any requirement or comply with a provision of any law or any other legal requirement for the time being in force. MRA 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.

1.0 General

2.0

REPORT REFERENCE No.:	SEC. STORAGE MRA AUTHORISATION No.:	INSPECTION DATE:	23/01/2015
OWNER'S DETAILS		RESPONSIBLE PERSON'S DETAILS ⁱⁱ	
Name: Sterling Sniff	Name: Mr. Roberto Volpi		
Address: Hal Far Industrial Estate B'bugia	Address:		
Land Line No.:	Mobile No.:	Land Line No.:	Mobile No.:

ⁱⁱ To be filled-in if different from Owner's Details
MRA/093/v1-16-09/10

2.0 Installation Details – LPG Bulk Tank

LPG Bulk Tank					
Address of authorised facility ⁱⁱⁱ :		CATEGORY:			
Sterling Sniff Hal Far Industrial Estate, B'bugia		<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Domestic			
Tank Details	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
Tank Brand:	Plinoxotar	Plinoxotar			
Tank Capacity (Litres):	2250	2250	2250		
Tank Serial Number	171687	171686	171688		
Tank Year of Manufacture	2012	2012	2012		
Tank Installation Date	2013	2013	2013		
Tank Location	<input checked="" type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded	<input checked="" type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded	<input checked="" type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded	<input type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded	<input type="checkbox"/> Above Ground <input type="checkbox"/> Buried / Mounded
Tank Condition	<input type="checkbox"/> Reconditioned ^{iv}	<input type="checkbox"/> Reconditioned ^{iv}	<input type="checkbox"/> Reconditioned ^{iv}	<input type="checkbox"/> Reconditioned ^{iv}	<input type="checkbox"/> Reconditioned ^{iv}
LPG Interconnected cylinders (150kg or six or more interconnected portable LPG cylinders whichever the lower)					
Address of authorised facility ⁱⁱⁱ :		CATEGORY:			
None		<input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic			
Total No. of connected cylinders:	0	Total weight of connected cylinders (kg):	0	Total No. of spare cylinders:	0
				Total weight of spare cylinders (kg):	0

ⁱⁱⁱ If different from Section 1.0

^{iv} Re-certification details to be attached

3.0 Inspection Checklist

3.1. Liquefied Petroleum Gas (LPG) Bulk Storage

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.1.1	Vessel(s) located within a building. (3)	N/A (0)			
3.1.2	Above-ground vessel(s) without a pressure relief valve. (3)	N/A (0)			
3.1.3	Vessel(s) too close to fixed ignition source. (2)	N/A (0)			
3.1.4	Vessel(s) without impact protection (e.g. bollards, kerbstone etc.) located in a position susceptible to vehicle collision. (2)	N/A (0)			
3.1.5	Vessel(s) without a stable base. (2)	N/A (0)			
3.1.6	Vessel(s) positioned too close to overhead power lines. (2)	N/A (0)			

¹ Insert Corrective Action intended to lower the risk rating to Low (1).

² Enter reasons why risk rating is below suggested rating in parenthesis as stated under heading 'Situation'.

³ To be filled in by Competent Person after confirmation of completion of Corrective Action in subsequent follow-up visit.

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.1.7	Vessel(s) too close to a known un-trapped drain and drain cover is not sealed. (2)	N/A (0)			
3.1.8	Vessel(s) not in compound where valves and/or controls are accessible by the general public. (2)	N/A (0)			
3.1.9	Vessel(s) that has a gas content greater than 95%. (2)	N/A (0)			
3.1.10	Vessel(s) too close to building. (1)	N/A (0)			
3.1.11	Separation distance between vessels insufficient. (1)	N/A (0)			
3.1.12	Vessel(s) too close to an oil storage tank or Flammable Liquids or liquid Oxygen. (1)	N/A (0)			
3.1.13	Below ground vessel(s) with decking fitted above. (1)	N/A (0)			

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No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.1.14	Vessel(s) surrounded by vegetation. (1)	N/A (0)			
3.1.15	Vessel(s) without adequate fire protection measures. (1)	N/A (0)			
3.1.16	Above-ground vessel(s) without an appropriate pressure relief valve adaptor. (1)	N/A (0)			
3.1.17	Vessel(s) too close to a boundary or property line. (1)	N/A (0)			
3.1.18	Vessel(s) too close to combustible material. (1)	N/A (0)			

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3.2. Liquefied Petroleum Gas (LPG) Cylinder Storage

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.2.1	Cylinder(s) stored in a basement. (2)	N/A (0)			
3.2.2	Propane cylinder(s) stored and/or used within a domestic premise. (2)	N/A (0)			
3.2.3	Cylinder(s) without a suitable stable base. (2)	N/A (0)			
3.2.4	Cylinder(s) sited too close to opening into building (e.g. door, open-able window, ventilator, appliance flue terminal etc.). (2)	N/A (0)			
3.2.5	Cylinder(s) sited too close to a known un-trapped drain cover not sealed. (2)	N/A (0)			
3.2.6	Cylinder(s) sited too close to fixed ignition source. (2)	N/A (0)			
3.2.7	Cylinder(s) sited and/or stored within a dwelling, or high-rise building, that do not meet safety and installation criteria. (2)	N/A (0)			

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No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.2.8	Battery of cylinders connected to an automatic change over device without OPSO protection. (2)	N/A (0)			
3.2.9	Cylinder(s) not positioned adjacent to a wall or other suitable structure. (1)	N/A (0)			
3.2.10	Cylinder regulator fitted at a height below that of the cylinder outlet valve. (1)	N/A (0)			

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3.3. Liquefied Petroleum Gas (LPG) Pressure Regulators, Meters & Meter Compartments

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.3.1	Bulk storage vessel(s) installation without an appropriate regulator. (3)	N/A (0)			
3.3.2	Vapour off-take cylinder(s) with no regulator fitted. (3)	N/A (0)			
3.3.3	Regulator located within a building and fitted with a limited capacity relief device not piped directly to a safe position outside the building. (2)	N/A (0)			
3.3.4	Bulk storage vessel(s) installation without UPSO protection. (2)	N/A (0)			
3.3.5	Meter and/or regulating equipment not suitable for use with LPG, not according to standards, damaged, tampered with, or in poor condition. (2)	N/A (0)			
3.3.6	Meter and/or regulator showing significant signs of damage from, for example: corrosive atmosphere; mechanical damage or; contact with electrical equipment. (2)	N/A (0)			

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No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.3.7	Medium pressure fed meter installation located within a domestic premise. (2)	N/A (0)			
3.3.8	Improper pathway for gas to enter property from meter box(e.g. damaged box, installation pipe-work within meter box entering the property without a sleeve, or protective equipotential bonding exiting the rear of the meter box etc.). (2)	N/A (0)			
3.3.9	Regulator seal broken or tampered with. (1)	N/A (0)			
3.3.10	No protective equipotential bonding connection provided at meter or connection sited in wrong position. (1)	N/A (0)			

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3.4. Liquefied Petroleum Gas (LPG) Service Pipe-Work

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.4.1	PE service pipe-work subjected to first stage (vapour) pressure without OPSO protection. (2)	N/A (0)			
3.4.2	PE service pipe-work operating at medium pressure without OPSO protection. (2)	N/A (0)			
3.4.3	PE service pipe-work entering a building without a suitable gas tight metallic sheath. (2)	N/A (0)			
3.4.4	Medium pressure service pipe-work located within a domestic premise. (2)	N/A (0)			
3.4.5	Service pipe-work in an unventilated void. (2)	N/A (0)			
3.4.6	Service pipe-work installed beneath a building foundation, base of a load bearing wall, or a floating raft foundation. (2)	N/A (0)			
3.4.7	Above ground service pipe-work not adequately protected. (2)	N/A (0)			

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No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.4.8	Service pipe-work fitted without an ECV. (2)	N/A (0)			
3.4.9	Service pipe-work inadequately painted or showing signs of corrosion or damage likely to affect safety. (2)	N/A (0)			

3.5. Miscellaneous

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.5.1	Warning signage absent / not legible or located in a non-prominent position. (2)	N/A (0)			
3.5.2	Fire-fighting equipment and emergency procedures missing / not up to date. Personnel training records missing / out dated (2)	N/A (0)			
3.5.3	Installation drawings missing / not up to date / do not reflect design of the actual installation (2)	N/A (0)			
3.5.4	Fence, gate, locks damaged leading to potentially easy unlawful intrusion to storage compound. (2)	N/A (0)			

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No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹ / RATIONALE ² (To be filled in if Risk Classification is greater than 1)	TARGET DATE	IMPLEMENTATION DATE ³
3.5.5	Opening of storage compound gates is not outward and / or path access to gates blocked. (1)	N/A (0)			
3.5.6	Items unrelated to the LPG Installation are present in the storage compound. (1)	N/A (0)			
3.5.7	Less than two means of exit are available for the storage compound and / or gates are not easily and immediately openable from the inside. (2)	N/A (0)			

3.6. Additional observations by Competent Person

No.	SITUATION	CLASSIFICATION N/A (0) / Low (1) / Med (2) / High (3)	CORRECTIVE ACTION ¹	TARGET DATE	IMPLEMENTATION DATE ³
3.6.1	LPG bulk tank pressure gauges faulty	N/A (0)			
3.6.2	No OPSO/UPSO device on second stage regulator	N/A (0)			
3.6.3	Rubber hoses to replace, plugs to be added in pipework where necessary	N/A (0)			

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³ To be filled in by Competent Person after confirmation of completion of Corrective Action in subsequent follow-up visit.

4.0 Replacement of Parts

ITEM REPLACED	REMARKS
<input type="checkbox"/> Pressure Relief Valve	
<input type="checkbox"/> Contents Gauge	
<input type="checkbox"/> Fill Valve	
<input type="checkbox"/> Vapour take-off Valve	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

5.0 Additional Tests / Examinations Carried out by the Competent Person

TEST	REMARKS
<input checked="" type="checkbox"/> Low Pressure Gas test	Portable gas detector used to inspect the gas line where connections where used. No leaks found.
<input checked="" type="checkbox"/> Intermediate Service Pipe work test	Portable gas detector used to inspect the gas line where connections where used. No leaks found.
<input type="checkbox"/> Ultra Sonic Test	
<input checked="" type="checkbox"/> Visual Examination (vessel & Pipe work)	
<input type="checkbox"/> Acoustic Emission Test	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	



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6.0 Additional Remarks by Competent Person (if any)

None

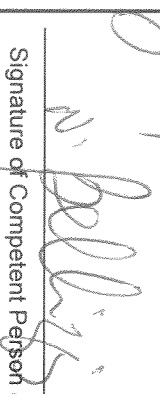
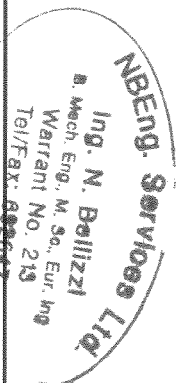
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7.0 Certification by Competent Person

Full Name:	ING. NICHOLAS BELLIZZI	ID Card No.:	425181 (m)	MRA Competent person No.:	MRA 01
Address: NBEngineering Services Ltd Flat 1, Block 4, St.Peter's Court Triq J.G.Baldacchino, Zabbar		Land Line Tel. No.:	21805046	Mobile No.:	99804748
		E-mail Address:		nikibel@onvol.net	
		I, the undersigned competent person, hereby declare that I have inspected the LPG secondary storage facility described in Section 2.0 on <u>23/01/2015</u> (insert inspection date) and that this assessment report is a true and correct report of the inspection. I certify this installation safe for use and which shall be due for the next inspection by a competent person on <u>20.1.2016</u> (insert next inspection date).			
Signature of Competent Person & Date  					

8.0 Declaration by Owner / Responsible person

I, the undersigned Owner / Responsible Person of the above-certified Facility described in Section 2.0, declare that I have understood all the contents of this report, after such contents having been explained to me by the competent person. I agree to implement the corrective actions as described in this report by not later than the target dates specified. Furthermore I declare that I will submit another follow-up Inspection report to the Malta Resources Authority as per above specified due date. I also understand that in the case of failure to implement the agreed corrective actions and to submit the necessary proof of their implementation thereof, I shall be making myself liable for any necessary action by the Malta Resources Authority. I understand and agree that the Authority may require further inspections to be made when so required.

Signature of Owner /Responsible Person & Date

* Where Corrective Actions are still pending, the next inspection date should not be later than the latest target date. In the case of no pending Corrective Actions, next inspection date should not be in excess of twenty-four months from the date of this inspection report.