



Bureau Veritas Certification

Management System Certification Audit Report for the 1st SA of

Enemalta plc

Company Information			
Company Name	Enemalta plc		
Address	Central Administration Building Church Wharf, Marsa MRS 1000, MT Marsa Power Station: Church Wharf, Marsa MRS 1000, MT Delimara Power Station: Triq il- --- Power Station, Marsaxlokk, MXK 1320, MT		
Phone No.	+356 21223601	Fax No.	+356 21223602
Web Address	www.enemalta.com.mt		
ZIG Contract No(s).			
Contact Information			
Contact Name	Ing. Sylvana Scicluna	Phone No.	+356 79014880
Email Address	sylvana.scicluna@enemalta.com.mt		
Audit Information			
Audit Standard(s)	ISO 14001		
Industry Code(s)			
No. of Employees	900	No. of Shifts	1 operational & 1 "cold standby" Power Stations operating 24h (7.00-19.00, 19.00-7.00)
Audit Type	1st SA		
Audit start date	29/06/15	Audit end date	04.07.14
Next Audit Date	2016	Duration	
Auditor Information			
Team Leader	Kostantinos Bratimos		
Team Member			
Shift Pattern	7:00 – 19:00	19:00 – 07:00	
If this is a multi-site audit an Appendix listing all the relevant sites and/or remote locations has been established and attached to the audit report.			
Distribution	Client Contact / Audit Team /BV Certification office		

Summary of Audit Findings:					
Number of Non Conformities recorded:		Major:	0	Minor:	1
Is a follow up audit required?	Y/N	Follow up audit start date			day(s)
Actual follow up date(s)			Start:	End:	
Follow-up audit remarks:					
Team Leader Recommendation:					
Standard	Recommendation				
ISO 14001	Continue recertification				
	02/07/15				
	K. Bratimos				
Team Leader (1):	Team Member				
K. Bratimos					
Scope of Supply (scope statement must be verified and appear in the space below)					
Electrical Power Generation					
Electrical Power Distribution by means of Power lines and underground cables					
Accreditation	UKAS				
No. of Certs required	1				
Languages	En				
Reason for Issue of Certificate	Change of company name				
Further Instructions (additonal certificate instruction or information for the office) :					
Change of company name: New name is "Enemalta plc"					

Audit Summary**1. Audit Objectives**

The objectives of this audit are :

1. to confirm that the management system conforms with all the requirements of the audit standard;
2. to confirm that the organization has effectively implemented its planned arrangements;
3. to confirm that the management system is capable of achieving the organization's policies objectives.

For Stage 1:

- ~~1. to validate the scope.~~
- ~~2. to confirm that the management system adequately covers all the requirements of the audit standard.~~
- ~~3. to confirm that the fundamental elements of the management system are implemented including atleast one cycle of internal audit and management review.~~
- ~~4. to confirm the readiness of the organization for a complete system (Stage 2) audit.~~
- ~~5. to collect the relevant information for effectively planning of complete system (Stage 2) audit.~~

2. Previous Audit Results NA

The results of the last audit of this system have been reviewed, in particular to assure appropriate correction and corrective action has been implemented to address any nonconformity identified.

No. of nonconformities from previous audit	Major	0	Minor	0
No. of nonconformities closed	Major	0	Minor	0
No. of nonconformities re-raised	Major	0	Minor	0

This review has concluded that:

- No ncrs arose during previous audit.

~~any nonconformity identified during previous audits has been corrected and the corrective action continues to be effective.~~

~~the management system has not adequately addressed nonconformity identified during previous audit activities and the specific issue has been re-defined in the nonconformity section of this report.~~

2.1 Verification of entire previous cycle Bureau Veritas Certification audit reports

[mandatory for Recertification Audit]

The recertification audit shall consider the performance of the management system over the period of certification to verify

- ~~Effectiveness of the whole management system considering internal and external changes and the management system continual relevance and applicability to the scope of certification~~
- ~~Demonstrate commitment to maintain the effectiveness and improvement of the management system in order to enhance overall performance~~
- ~~Whether the operation of the certified management system contributes to the achievement of the organization's policy and objectives~~

~~Useful comparison with the previous audit findings [as applicable]~~

~~Extent to which the previous audit findings have been addressed by the system~~

~~Extent to which the current audit findings match with the previous ones~~

The company has been previously certified by another certification body (Certiquality). Company's system is well mature and findings are treated seriously by the company. They are not repeated. All 9 recommendations issued during last Surveillance Audit have been cleared

3. Basic Inputs and Initial Planning

Activities/locations/processes/functions of the organization based on the audit plan which was submitted and agreed with the auditee prior to the audit were covered which are listed in Audit Summary section (Audit Matrix) of the report.

All processes of the company as described in the audit plan have been covered

4. Key people interviewed / involved/ Present at Op.&CI. Meeting

Name	Department/Process
Ing. Sylvana Scicluna	EMS management representative
See auditors trail below for all involved personnel.	

5. Audit Findings

The audit team conducted a process-based audit focussing on the significant aspects, risks and objectives. The audit method used were interviews, observations of activities and review of documentation and records.

The onsite audit was started with an opening meeting which was attended by the senior management of the organization.

The audit findings were communicated to the management of the organization during the closing meeting, final conclusion of the audit results and recommendation by the audit team also briefed to the management during the meeting.

5.1 Manual adequacy

~~Please comment on the adequacy of the manual, for example the process interaction / description of the key elements of the management system, addressing the requirements of the standards, reference to the procedures etc.~~

Company's manual describes the scope of the certification and gives a reference to the EMS documentation

5.2 Validation of Scope & Exclusions

~~Comments of the exclusions and justifications of exclusion, also put your comments on the validation and acceptance of the scope.~~

~~The audit team has validated the scope of certification in the following manner:~~

~~Design: Explain here why does the audit team agree that the organization has design capabilities~~

~~Manufacture: Explain how audit team confirmed that the organization has capability for these processes.~~

~~Supply: Explain here why the scope can include 'supply' and not be limited to 'dispatch / equivalent'.~~

~~Product Range:~~

~~— 1. — Explain here how the organization has demonstrated capability over the entire range of products as indicated by the scope of supply.~~

~~— 2. — Also explain why does the audit team conclude that the scope of supply does not include any products outside the demonstrated capability of the organization.~~

Company's scope is:

"Electrical Power Generation

Electrical Power Distribution by means of Power lines and underground cables"

It has been validated during the audit. There are no exclusions

5.3 Level of Integration (in case of Integrated Management System Audit) NA

Please specify the level of intergration as High, Medium and Low.

Write your commmets on the level of integration, e.g. Policy, Manual and system level procedures are integrated OR operational level procedures are also intergrated OR only the manual etc.

5.4 Achievement of Policy commitments and Objectives

Company's policy is well documented and implemented. It is supported by objectives, targets and relevant programs. Improvement is monitored and documented.

5.5 Description of system conformance & Capability

~~Summary to be given including the comments on internal audit, management review, identification and evaluation of legal and other requirements, corrective & preventive action processes, please ensure that the comments and conclusions are provid for each element of the standard(s).~~

~~Following Four main headings will be used to report the respective elements of the system under each heading, the bullets mentioned under each headings are for guidance only and can be used as a checklist to ensure the coverage of all requirements in the report, please don't use them as headings in the report.~~

~~Please also remember that for big clients which have many locations or organizational units we may need to prepare a report based on the locations or **divisions** and under the heading of each location/division we should write down the conclusions on the requirements applicable to that area.~~

~~Management review, internal audits, evaluation of legal compliance, improvement actions are performed and are to the point. They are documented and prove the effective implementation of the system~~

5.5.1 General

~~General description of the organization.~~

~~Description of the company activities [mandatory for all audits leading to certification decision and/or issue of certificate]~~

~~In order to verify the scope, it is essential to understand the activities of the company. This information can be picked up from the introduction in the manual and other literature / interview during the audit.~~

~~Overall comments on the compliance of the management system with respect to documentation, implementation and effectiveness.~~

~~Please also mention the sites and locations covered in the audit.~~

Company's scope is:

"Electrical Power Generation

Electrical Power Distribution by means of Power lines and underground cables"

It has been validated during the audit. There are no exclusions

Company's EMS is well documented and implemented

5.5.2 Planning

- Documentation requirements (Including Control of documents and records): Document control procedure is implemented
- Management System Policy: documented, communicated and available
- Objectives & Management programs: Defined, documented and monitored
- Identification & evaluation of aspects, impacts & risks: Documented and reviewed for MPS, DPS and Distribution
- Identification of legal & other requirements: Legal requirements have been identified and are checked periodically
- Organizational structure, roles, responsibilities & authorities. Organization chart and job descriptions are defined and documented

5.5.3 Implementation & Operation

- Operational control (~~Please also comment on all ISO 9k clause 7 requirements here, e.g. Determination & review of requirements, design & development, purchasing, control of production & service provision, identification, traceability, preservation etc.~~) Operational control procedures (SOPs) are defined and documented

- Emergency preparedness & response is ensured by the Fire Fighting Coordinator. Procedures and drills are practiced
- Management of resource is ensured through budget allocation
- Communication, participation & consultation is ensured through meetings and mails
- Training, awareness & competence is coordinated by the relative department. Records were available

5.5.4 Monitoring and Measurement

- Monitoring and measurement (Including control of monitoring & measurement equipment, measurement & monitoring of operational controls, HSE performance, achievement of objectives, customer satisfaction, processes, products etc.). Monitoring and measurement is performed using company's forms and relevant KPIs that are monitored and documented. Furthermore, environmental reports are periodically generated as per IPPC requirements
- Evaluation of compliance (~~Please also clearly state the status of compliance~~) is performed during internal audits mainly, using relevant SOPs and plants monitoring plan. The company complies with its legal obligations. In case that deviations are noted, they are documented, MEPA is notified and actions are put in place
- Internal audit. Performed according to the plan. Findings are recorded and actions implemented.
- Handling of nonconformities (Including incident investigation) is effective and ensures system improvement

5.5.5 Improvement

~~General (Including analysis of data)~~

- ~~• Corrective, preventive & improvement action~~
- ~~• Management Review~~

The company has established an improvement action plan that is discussed during management review and is periodically updated. Management review is performed twice per year and is very well documented

5.6 System strengths

Management review detailed and to the point

Internal audit well documented and performed

Although major organisation changes are performed the implementation of the system has not been affected.

Participation and commitment of management and personnel

5.7 Nonconformities

NCR 1: see ncr report

Area:

Classification:

Description:

Note:

Nonconformities detailed herein shall be addressed through the **organization's** corrective action process, in accordance with the relevant corrective action requirements of the audit standard, in actions to prevent recurrence, and complete records maintained.

Corrective actions to address identified **major** nonconformities shall be carried out immediately and BV Certification notified of the actions within 30 days. Our auditor will perform a **follow up visit** within 90 days to confirm the actions taken, evaluate their effectiveness, and determine whether certification can be granted or continued.

Corrective action to address identified minor nonconformities shall be carried out and records maintained with supporting evidence.

The responses to the nonconformities may be either in hard copy or electronically using the NCR herein (preferred) and forwarded to the BV Certification office.

At the next scheduled audit visit, the BV Certification audit team will follow-up on all identified nonconformities to confirm the effectiveness of the corrective actions taken and close out.

5.8 Observations

- The company keeps a database for all internal audits performed and findings raised. 18 audits took place during from August 2014 until May 2015. Several findings arose: 6 NCRs and 16 recommendations). Corrective actions issued; 2 NCRs are still open. After the management review it has been decided to add in the findings log the findings of external parties. By the moment 21 out of 41 of the audit recommendations are open. **FOLLOW UP**
- Legal requirements are identified and documented in "Legislation Summary List". A draft report is ready and presented during the audit. The control was completed on 26/06/15 and the final report will be issued by the end of July. **FOLLOW UP**
- Inspection from authorities on 3/12/14 (MEPA) and on 23/10/15 (COMAH). The reports were checked. MEPA issued 10 observations, COMAH issued 7 observations. Enemalta addressed the findings and waiting for approval. **FOLLOW UP**
- Waste water permits for MPS and DPS, as required by IPPC permit, have not been issued yet. Relevant communication with Water Services Corporation was available (18.11.13, 2.12.13). The issue is in progress. → still open, the process is ongoing. **FOLLOW UP**
- Authorities performed an inspection at the plant on 18/02/14. A report with findings was sent to Enemalta management. The organization replied and follow up actions are ongoing. **FOLLOW UP (2014)→**
Authorities performed a new inspection (yearly) at the plant on 25/02/15. A report with findings was sent to Enemalta management. The organization replied and follow up actions are ongoing. **FOLLOW UP (2015)**
- New sound measurements will be performed in Marsa to check the sound emissions of the construction works. A bid has already completed, the project was awarded to the organization Ambiente.

5.9 Opportunities for Improvement

Nothing to report

5.10 Use of logo

NA

6. Uncertainty / obstacles that could affect the reliability of audit conclusions

Nothing to report

7. Unresolved diverging opinions between the audit team & audittee

Nothing to report

8. Agreed follow-up actions

Concerning observations before mentioned

9. Conclusion:

- The management system documentation demonstrated conformity with the requirements of the audit standard and provided sufficient structure to support implementation and maintenance of the management system,
- The organization has demonstrated effective implementation and maintenance / improvement of its management system.
- The organization has demonstrated the establishment and tracking of appropriate key performance objectives and targets and monitored progress towards their achievement,
- The internal audit programme has been fully implemented and demonstrates effectiveness as a tool for maintaining and improving the management system,

- Throughout the audit process, the management system demonstrated overall conformance with the requirements of the audit standard.

10. Recommendation

The audit team conducted a process-based audit focussing on significant aspects/risks and objectives required by the standard(s). The audit methods used were interviews, observations, sampling of activities and review of documentation and records.

The structure of the audit was in accordance with the audit plan and audit planning matrix included in the Appendices to this summary report.

The audit team concludes that the organization has/~~has not~~ established and maintained its management system in line with the requirements of the standard(s) and demonstrated the ability of the system to achieve requirements for products and/or services within the scope and the organization's policy and objectives.

Therefore the audit team recommends that, based on the results of this audit and the system's demonstrated state of development and maturity, that this management system certification be

- ~~Recommended for recertification~~
- ~~Processed~~
- ~~Continued subject to a satisfactory corrective action plan~~
- ~~Suspended until a satisfactory corrective action is completed~~
- ~~Withdrawn (your attention drawn to the Appeals Procedure defined in the Conditions of Contract)~~

This report is confidential and distribution is limited to the audit team, the company and the BV Certification office.

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AUDITOR NOTES / SIGNIFICANT AUDIT TRAILS**Auditor: K. Bratimos****Auditee: Ing. Scicluna, Mr. Conti, Mr. Marsh, Ing. Mizzi, Ing. Farrugia, Ing. Xerri, Ing. Attard****Date: 30/06/15****Process / Activity: District Office / Substations / Distribution Centers****Notes**

A first SA has been performed at Enemalta plc from 29.06 - 02.07.15 located in Malta. The audit took place at Marsa Power Station (MPS), at Delimara Power Station (DPS) as well as at a sample of the distribution Network as documented in the audit trail below. No NCRs were raised, but some observations discussed with the company. The detailed audit sample is documented in the auditors' draft notes.

It was checked the maintenance log and plan for the substations of Bugibba District (for example substation Qawra Soreda Suncrest, latest maintenance on 08/03/2015).

It was checked the maintenance log and plan for the distribution centers of Bugibba District (for example New Hospital DC, latest maintenance on 08/03/2015).

Site walks:**BUGIBBA DISTRIBUTION CENTRE**

No environmental issues arose.

The FPs 1 to 5 were checked – latest maintenance on October 2014.

It was checked the latest inspection of the substation. The inspection took place on 09/04/15.

Latest maintenance of the DC took place on 27/09/14. Records were available.

BUGIBBA SUBSTATION

No environmental issues arose.

It was checked the latest inspection of the substation. The inspection took place on 09/04/15. No maintenance until now for this substation since it is new.

BUGIBBA DISTRICT OFFICE

No environmental issues arose

Recycling bins exist. Furthermore bins exist for:

- urban waste
- metal scrap
- wood
- plastics
- Hazardous waste

MSDS: 3 parts polyurethane compound and insulation oil 1730 – ok.

Auditor: K. Bratimos**Auditee: Ing. Scicluna, Mr. Conti, Mr. Marsh, Ing. Abela, Ms. D'Amato****Date: from 30/06/15 to 02/07/15****Process / Activity: EMS****Notes****EMS**

- No new trainings concerning the EMS. New personel induction training is documented (induction training, for example Architect Reuben Sammut). Training history for all employees is kept, ok.
- EMS manual has been checked _ revision 3 as of 15/06/15.
- Environmental policy in revision 5 as of 18/11/14.
- Organisation chart in revision 9 as of 21/05/2015.
- EMS documents list in revision 2 as of 19/06/15.
- Management review has been performed on 22/05/15. Very detailed documentation. Environmental programs are on going: reduction of CO2 emmissions, reduction of NOx, SOx, to reduce fuel odours, to eliminate the use of R22 gas, to reduce the water consumption in district office and administration buildings, reduction of distribution loses. For each program several actions are ongoing and continues monitoring is applied. The presentation of actions taken to achieve the targets in very detailed and thorough. A copy of the final version has been kept.
- The company keeps a database for all internal audits performed and findings raised. 18 audits took place during from August 2014 until May 2015 for Marsa, Delimara, Distribution centers). Several findings arose: 6 NCRs and 16 recommendations). Corrective actions issued; 2 NCRs are still open. After the management review it has been decide to add in the findings log the findings of external parties. By the moment 21 out of 41 of the audit recommendations are open. **FOLLOW UP**
- Legal requirements are identified and documented in "Legislation Summary List". A draft report is ready and presented during the audit. The control was completed on 26/06/15 and the final report will be issued by the end of July. **FOLLOW UP**

MPS EMS

- MPS IPPC new permit was reviewed: IP0003/07/b issued on 11/06/15 (a copy was kept).
- MPS is going to be closed (decomissionning started) - the generating plant should have already been closed (20.000 hours of operation completed and a fine paid by the company since).
- Environmental aspects identification and evaluation for direct and indirect aspects, normal/abnormal / emergency conditions checked, ok (revision 4 as of 15/06/15, i.e atmospheric emissions, dust from decommissioning works, fuel consumption).
- Improvement action plan, ok (objectives, targets, programs, resources allocation).
- No complaints have been reported for MPS.
- Monitoring plan for Marsa has been checked, ok (15/06/15 - incorporates all company's environmental obligations)
- Inspection from authorities on 3/12/14 (MEPA) and on 23/10/15 (COMAH). The reports were checked. MEPA issued 10 observations, COMAH issued 7 observations. Enemalta addressed the findings and waiting for approval. **FOLLOW UP**
- The Pollutant Release Report for 2014 is not submitted to date. Extention was required and given by the authorities (email of Mark O' Neill – MEPA). Further extention was required due to extreme reduction of personel (email of Ing. Carmer Abela dated 30/06/15)– (a copy of the email was kept). NCR

DPS EMS

- DPS IPPC permit was reviewed, ok (Ref.1P000302/07/E, 10.04.14 expires 6.12.15)
- Environmental aspects identification and evaluation for direct and indirect aspects, normal/abnormal/emergency conditions checked, ok (3.06.14 i.e atmospheric emissions, oil spills)
- Improvement action plan, ok (objectives, targets, programs, resources allocation, i.e No 1, 4.
- Monitoring plan for Delimara has been checked, ok (25.06.14-incorporates all company's environmental obligations)
- Sea water discharges quarter analysis has been checked, latest analysis on 02/04/2015
- Electromagnetic Field Survey report has been checked, ok (28.05.14)
- The Energy Management System implementation as required by IPPC is ongoing.
- Measurement of Heavy Metal Emissions has been checked, ok (quarterly 1/2015 for DPS6, performed on 03/2015 and six months measurements for DPS 1 on December 2014).
- Internal audits are performed, findings documented and followed up, ok.
- **The Pollutant Release Report for 2014 is not submitted to date. Extension was required and given by the authorities (email of Mark O' Neill – MEPA). Further extension was required due to extreme reduction of personnel (email of Ing. Carmer Abela dated 30/06/15). An extension was given by the authorities until 12 of July – (a copy of the email was kept). NCR**

DC EMS

- Environmental aspects identification and evaluation for direct and indirect aspects, normal/abnormal/emergency conditions checked, ok (3.06.14 & 2.07.14 i.e atmospheric emissions, oil spills)
- Improvement action plan, ok (objectives, targets, programs, resources allocation, i.e No 4,7)
- Internal audits are performed, findings documented and followed up, ok.
- The Register of Waste Hazardous.Non Hazardous has been checked, ok (i.e 2014)
- Evidence for the removal of wastes generated by subcontractors has been checked, ok

WASTE MANAGEMENT

There are six waste logs, Hazardous Marsa, Hazardous Delimara, Hazardous DC, Non Hazardous Marsa, Non Hazardous Delimara and Non Hazardous DC. It was checked by random the log of Hazardous for Marsa for 2014, Hazardous for Delimara for 2014 and Hazardous for DCs for 2015 (until June).

Subcontractor Waste oils company limited is used among other subcontractors for the handling of waste. It was checked the license of the above mentioned subcontractor and found updated and valid (IP 0002/08/C) (a copy was kept).

Date: 01/07/15

DELIMARA SITE

Auditees: Ing. Scicluna, Mr. Conti, Ing. Johann Zammit, Ing. Ismail D' Amato, Ing. Jan Camilleri

Environmental Walk

An Environmental walk took place in all internal and external areas of the company.

No findings arose.

In all chemical points a log with the MSDS was present.

A movable chemical spill container exists. Furthermore it was checked by random the following fire station and found in good order:

- A 42
- PF 168

Operational Control / Subcontractors control / Maintenance / Emergency drill / Subcontracted project:

Project: installation of 3.3KV cable

The handover of Enemalta procedures to the subcontractor AECOM is documented. The handover took place on 11/3/15. Induction training took also place by Gordon Bondin on the same day. A list of participants exists (i.e. Christian Mallia, Brian Horoman, Neville Taylor).

Calibration:

It was checked the real time monitoring system of the emissions and the Calibration of instruments:

- Calibration and validation of automatic measuring system – point of emission D1A performed by ECO CHIMICA ROMANA (accreditation # 0286) on August 2014.
- Calibration and validation of automatic measuring system – point of emission D1B performed by ECO CHIMICA ROMANA (accreditation # 0286) on August 2014.
- Calibration and validation of automatic measuring system – point of emission D4A performed by ECO CHIMICA ROMANA (accreditation # 0286) on August 2014.
- Calibration and validation of automatic measuring system – point of emission D4B performed by ECO CHIMICA ROMANA (accreditation # 0286) on August 2014.

The following drills/onsite trainings were checked:

- Drill F4 on 30/08/2014 – ERG book
- Drill R4 on 2/1/15 – rescue – BA drill @MTC
- Drill concerning emergency procedures on 08/07/15

Authorities performed an inspection at the plant on 18/02/14. A report with findings was sent to Enemalta management. The organization replied and follow up actions are ongoing. **FOLLOW UP (2014)→**

Authorities performed a new inspection (yearly) at the plant on 25/02/15. A report with findings was sent to Enemalta management. The organization replied and follow up actions are ongoing. **FOLLOW UP (2015)**

The emissions measurements as of May 2015 were checked.

It was checked the Dangerous waste register for Delimara, for example:

- 23360 kgr of residual waste on 05/01/15 – subcontractor PT Matic
- 8.500 lt of lube oil on 16/02/15 – subcontractor waste oils company limited
- 9000 lt of oily water on 11/02/15 – subcontractor waste oils company limited

It was checked the following concerning the periodical controls of the equipment:

- Boiler wash down Pit on 30/12/15
- D.M. Neutralizing Pit on 18/12/14
- 15000 & 16000 hours service – diesel engine 44 s/n: PAAE191176 – engine hours: 16781 hours.
- Sound measurements for 2014 took place on May 2014. The reporting is ongoing, in draft mode and without conclusion whether the values are within the limits or not. The final report is expected until August 2014. **FOLLOW UP → new measurements performed on December 2014 and the conclusion was that no significant increase occurred because the put into service of phase 3.**

The preventive maintenance plan for 2015 was checked.

Auditor: K. Bratimos
Date: 01 & 02/07/15

MARSA SITE

Auditees: Ing. Scicluna, Ing. Spiro Grima, Mr. Conti, Ing. Albert – Paul Borg, Ing. Albert Bonett.

Suppliers / Subcontractors:

The following subcontracted project was checked in terms of environmental aspects:

Phase 1 decommissioning of Marsa Power Station. Subcontractor DDE ATTARD limited.

The works started on 15 of June 2015.

The handover of Enemalta procedures to the subcontractor is documented. The handover took place on 23/06/2015. Method statement was available and clearly describes the environmental precautions and the obligation of the subcontractor for waste management.

Environmental Walk

An environmental walk took place.

A spill kit was available in turbine #8 area.

Scrap metal containers exist.

Hazardous wastes are stored in a separate area in red bins.

Boilers # 5 & # 8 area: emergency spill kits exist.

No findings arose.

Operational Control / Maintenance

It was checked the following concerning the periodical controls of the equipment:

- Weekly acid tanks bund wall inspection check list as of week 26/2015, week 13/2015, week 14/2015.
- Boiler 5, 6 and 7 HFO pipe work, valves, flanges, chemical dosing and turbine lube visual inspection (weekly monitoring) as of 12/05/14.
- Weekly HFO bund Wall (tanks 3 & 4) and fuel lines visual inspection as of weeks 19/2015, 23/2015 & 8/2015 (tanks 1&2 are empty).
- Weekly HFO bund Wall (tanks 5 & 6) and fuel lines visual inspection as of weeks 26/2015, 18/2015.
- Boiler 8 pipework and valves visual inspection as of 06/02/15, 14/11/14 & 14/08/14.

The maintenance of all equipment is documented in SAP IT system.

It checked the log of vehicles certificates. The certificate among others proves that the emissions found within the limits. For example:

- No of vehicle ENE002, KIA, latest check on 2/03/15
- No of vehicle ENE246, Hyundai, latest check on 06/03/15

It was checked the Dangerous waste register for Marsa, for example:

- 134 kgr of oily rags on 19/1/15 – subcontractor GSS
- 1000 lt waste oil on 2/6/15 – subcontractor waste oils company limited

- 135 kgr contaminated package on 14/1/15 – subcontractor GSS

Measurements :

- Consolidate the improvements already achieved concerning CO2 emissions in 2014 over 2013 → 0.24 % reduction achieved.
- NOx emissions: 2692 tonnes.
- SOx emissions: 4792 tonnes.
- Dust: 403 tonnes
- Electricity consumption for Administration building → total of 3169.7 KWh for the administration building.
- Water consumption measurements for the administration building (2014), 2750 m³.
- Sound measurements for 2014 took place on May 2014. The reporting is ongoing, in draft mode and without conclusion whether the values are within the limits or not. The final report is expected until August 2014. **FOLLOW UP → results within limits, report checked ok**
- New sound measurements will be performed in Marsa to check the sound emissions of the construction works. A bid has already completed, the project was awarded to the organization Ambiente. **FOLLOW UP**

Maintenance:

No maintenance is taking place because the plant is in “cold standby” mode.

NON CONFORMITY REPORT					
TO BE COMPLETED BY BV	DATE	ORGANIZATION	FILE REF	REPORT No	
	02/07/15	Enemalta plc		1	
	NON CONFORMITY OBSERVED DURING		1st SA		
	NON CONFORMITY OBSERVED IN PROCESS		Legal and other requirements		
ISO 14001, clause 4.3.2					
NON CONFORMITY – DESCRIPTION OF OBJECTIVE EVIDENCE :					
<p>Marsa & Delimara sites: The Pollutant Release Report for 2014 is not submitted to date. Extension was required and given by the authorities (email of Mark O' Neill – MEPA). Further extension was required due to extreme reduction of personnel (email of Ing. Carmer Abela dated 30/06/15)– (a copy of the email was kept) & Upgrade from previous audit reservation: MPS and DPS environmental reports (annual, quarterly, monthly) have not been prepared on time to be submitted to the authorities, however the company has notified the authority and a deviation permit has been obtained (i.e mail 28.03.14). → upgrade to NCR</p>					
GRADE		LEAD ASSESSOR	ASSESSOR	ORGANIZATION REP.	
Minor		K. Bratimos			Ing. Scicluna
TO BE COMPLETED BEFORE					
Next audit					
TO BE COMPLETED BY THE ORGANIZATION	ROOT CAUSE ANALYSIS (What failed in the system to allow this NC to occur ?)				
	<p>The cause of this failure was due to restructuring within Enemalta plc. Ing. Carmen Abela spent time training newcomers within the department. Moreover, key people that used to provide her with the data required for the reports have also been relocated to other external departments. Therefore data was not easily attainable as in previous years. One must also take note that Ing. Carmen Abela is also new in compiling these reports.</p>				
	CORRECTIVE ACTION & CORRECTION (What is done to solve this problem and to prevent recurrence)				
	<p>The action to be taken so that this delay in reporting will not re-occur is that the Management Representative, with the support of the environmental coordinator (EC) and internal auditor, will monitor on a monthly basis the progress of data collection and data inputting required for report compilation.</p>				
TO BE COMPLETED BY BV	VERIFICATION OF CORRECTIVE ACTIONS		DATE OF COMPLETION		
			ORGANIZATION REPRESENTATIVE		
	VERIFICATION OF CORRECTIVE ACTIONS		DATE	STATUS	ASSESSOR
			02/07/15	open	K. Bratimos
AUDITOR COMMENTS		Action accepted			

Bureau Veritas Certification
PERFORMANCE TO DATE

Visit Report Ref	Grade	Status	Summary of Finding	Sector/Division/Location	Date	Standard	Clause
XXX	Major	Open	Details				
Details of Finding:							
XXX	Minor	Closed					
Details of Finding:							
Corrective Action:							
OFI / Obs							
Details of Finding:							
OFI / Obs							
Details of Finding: <ul style="list-style-type: none"> Waste water permits for MPS and DPS, as required by IPPC permit, have not been issued yet. Relevant communication with Water Services Corporation was available (18.11.13, 2.12.13). The issue is in progress. → still open, the process is ongoing. FOLLOW UP MPS and DPS environmental reports (annual, quarterly, monthly) have not been prepared on time to be submitted to the authorities, however the company has notified the authority and a deviation permit has been obtained (i.e mail 28.03.14). → upgrade to NCR Delays of reports needed to be submitted to MEPA have not been documented as non conformances in company's relevant database. → ok documented. MPS: 2 findings coming from internal audits have not been cleared since 14.03.13. → Evaluation of legal compliance is performed through internal audits i.e internal audit performed on 4.02.14 for SOP 39. Audit trail though does not specify legislation checked. → all audit trails clearly mention the legal requirement, for example audit report # Audit_SOP_34_35_9_6_15. EMS manual does not make a reference to all related documents. → a list of controlled documents issued and it is not part of the manual anymore. EMS manual includes an obsolete version of the organisation chart. The current one was available and distributed though. → ok the organization chart is considered as annex of the manual. The new organizational chart is available and distributed. COMAH inspection findings for DPS issued on 02/2014 were not included in nonconformance database, although their handling is ensured by the Fire fighting Responsible. → There was no documentation of company's decision not to communicate about its significant environmental aspects. → This was discussed and documented in the Management Review Report held on the 22nd May 2015 Continuous Emissions Monitoring System data/graph presented at company's website for DPS Stack 6B, SO2 emissions were not coherent for 1/02/14 (graph, peaks' values versus limit value and graph's axis). → ok addressed and verified in various occasions. MPS: during the site tour a bin of contaminated (with oil) metal scrap was noted that would be sent for recycling and not handled as contaminated waste. → ok removed; no relevant finding during the 1st SA. The last internal audit performed to EMS Coordinator was on 16.10.12. → Latest Internal Audit on Environmental Coordinator was conducted on 03/06/2015 							

NEXT VISIT PLAN	
Lead Auditor: Team Member(s):	Audit Type: 1 st SA Audit Start Date: Audit Finish Date: Audit to be conducted against the following standard(s) 1. ISO 14001:2004

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APPENDIX


ISO 14001:04	Department / Activity / Process	Surveillance				
		1	2	3	4	5
4.1	General requirements	*	*			
4.2	Environmental policy	*	*			
4.3.1	Environmental aspects	*	*			
4.3.2	Legal and other requirements	*	*			
4.3.3	Objectives, targets and programme(s)	*	*			
4.4.1	Resources, roles, responsibility and authority	*	*			
4.4.2	Competence, training and awareness	*	*			
4.4.3	Communication	*	*			
4.4.4	Documentation	*	*			
4.4.5	Control of documents	*	*			
4.4.6	Operational Control	*	*			
4.4.7	Emergency preparedness and response	*	*			
4.5.1	Monitoring and measurement	*	*			
4.5.2	Evaluation of compliance	*	*			
4.5.3	Nonconformity, corrective and preventive action	*	*			
4.5.4	Control of records	*	*			
4.5.5	Internal audit	*	*			
4.6	Management Review	*	*			
	Use of Logo	*	*			
	No. of PERSON-DAYS ALLOCATED	*	*			
	No. of SITES	*	*			

(Items Marked *= Mandatory Element to be Audited)

Comments:
[*] as per contract

Comments:

NAME:
DATE:

 BUREAU VERITAS	SITES (included within the scope of the audit)	APPENDIX
Company Name / ZIG Number: ENEMALTA plc		
Site Name	MPS	HO
Address City Postal Code County Country		
Site Name	DPS	
Address City Postal Code County Country		
Site Name	Distribution network	
Address City Postal code County Country		
Site Name		
Address City County Country		
Site Name		
Address City County Country		
Site Name		
Address City County Country		
Site Name		
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Site Name		
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