	File: SOP DPS 17 - Tank Area Bund Wall_r1_06-06-13	
	Environmental Management System	Page 1 of 9

SOP

Tank Area Bund Wall Inspection for DPS

Revision List

Revision No.	Description	Written By/ Reviewed By	Date
0	First issue	K. Agius	16.09.2010
1	Updating of Section 5.1 to include registration of faults in SAP Changes to Section 5.2 and 5.3 to reflect changes in certification of bund walls whereby this can be carried out by Enemalta employed warranted civil engineer	S. Scicluna	06.06.2013

Reviewed By:	Verified By:	Approved by:
S. Scicluna [signed] RAO Environmental Representative	E. Borg [signed] Operations DPS C. Abela [signed] Environmental Coordinator	J. Drago [signed] DPS Station Manager



	File: SOP DPS 17 - Tank Area Bund Wall_r1_06-06-13	
	Environmental Management System	Page 2 of 9

Table of Contents

1.	Aim and Scope.....	3
2.	References	3
3.	Terms and Definitions.....	3
4.	Responsibilities	3
5.	Operative Rules.....	4
5.1	Inspection Plan	4
5.2	Bund Wall Inspection.....	5
5.3	Reporting	5
6.	Reference Documents.....	5
	Annex 1.....	6
	Annex 2.....	8

	File: SOP DPS 17 - Tank Area Bund Wall_r1_06-06-13	
	Environmental Management System	Page 3 of 9

1. Aim and Scope

Objective of this operational procedure is to specify detailed rules, times and responsibility related to the Bund walls surrounding fuel stocks at Delimara Power Station. See **Annex 1 - Drawing Number DPS/XZ/93**. The maintenance engineer has the full responsibility to follow this SOP.

2. References

EN ISO 14001:04, clause 4.5.1

3. Terms and Definitions

RE Responsible Engineer – Operations Engineer
 PMO Plant Maintenance Officer
 MP Maintenance Personnel
 MEPA Malta Environment and Planning Authority

4. Responsibilities

Responsible Engineer (RE)


Conducts weekly inspections of bunds and requests maintenance interventions and prepares the Annual Report and co-ordinates with warranted civil engineer responsible for the annual inspection and certification of the bunds as requested by IPPC permit.

Plant Maintenance Officer (PMO)

Compiles and forwards report of works carried out on bunds as requested by RE

Maintenance Personnel (MP)

Persons detailed to carry out maintenance as instructed by the PMO and RE

	File: SOP DPS 17 - Tank Area Bund Wall_r1_06-06-13	
	Environmental Management System	Page 4 of 9

5. Operative Rules


5.1 Inspection Plan

It is the responsibility of the RE (a warranted engineer) to conduct weekly visual inspections of the fuel tanks bunded areas as per MEPA IPPC permit, checking for the following elements:

- a. Check whether the bund is holding rainwater during/ after episodes of rain
- b. Check condition of wall perforation glands
- c. Check for the presence of any damp patches which could indicate cracks
- d. Check walls for any physical damage or cracks
- e. Check satisfactory operation of surface water drain valve
- f. Check that surface water valve has lockable attachment in place and is in the normally closed position
- g. Check that surface water sump is cleared from all debris, waste, rags or other solids which might affect the satisfactory operation of the valve
- h. Check and inspect fuel transfer pumps (tank to tank) for oil leaks. If any leaks are detected, maintenance section are to be informed, corrective actions implemented and details recorded
- i. Sludge deposits in the bund must be reported and action taken for their removal / treatment according to 'SOP DPS 29 - Waste Management Procedure'

Results of visual inspections must be recorded in **Annex 1 – Template 17.1 – HFO and DO Bund Wall Inspection**, including a description of the maintenance interventions requested and those that have been carried out.

Any faults identified during the inspection must be reported to the ME. Faults are reported to the maintenance section through SAP at the appropriate functional location. This will generate an automatic notification to the section concerned. Reported faults should trigger an immediate action by the ME to remedy the situation. Faults can be easily tracked down through SAP.

	File: SOP DPS 17 - Tank Area Bund Wall_r1_06-06-13	
	Environmental Management System	Page 5 of 9

ME shall ensure that the MP will complete the maintenance in an adequate time frame.

The PMO shall compile a report of the works carried out, to be retained by RE for reference.

5.2 Bund Wall Inspection

As per IPPC permit and MEPA communications EPD/A/RD/09/200 dated 14th November 2009 bunds are to be certified annually and as per MEPA communication EPD/A/RD/12/50 dated 21st February 2012 these can be certified by an Enemalta employed warranted civil engineer.

5.3 Reporting

The weekly inspection report is to be handed to the Station Manager for archiving. An 'Annual Summary Report' is also to be prepared by the responsible engineer on the visual inspections undertaken during the reporting year, and forwarded to Station Manager for archiving.

A soft or hard copy of the Enemalta warranted civil engineer's report should be forwarded to the Station Manager.

The report should also be made available to the Maintenance and Planning and Operations assistant managers, RE and environmental representative.


Copies of the generated inspection reports are to be retained by the RE for operational reference.

6. Reference Documents

IPPC Permit (latest revision)

MEPA communication Ref: EPD/A/RD/09/200 dated 14th November 2009

MEPA communication Ref: EPD/A/RD/12/50 dated 21st February 2012

	File: SOP DPS 17 - Tank Area Bund Wall_r1_06-06-13	
	Environmental Management System	Page 6 of 9

Annex 1

Template 17.1 – HFO and DO Bund Wall Inspection


**Template 17.1 – HFO and DO Bund Wall Inspection**

Weekly Inspection of Bunds At Delimara Power Station		
Area	Description	Comments
D.O Tank 0		
Rain water present?		
Bund holding water?		
Visible faults in Bund?		
Sump condition?		
R/W v/v padlock?		
D.O. tk drain v/v padlock?		
D.O Tank 1		
Rain water present?		
Bund holding water?		
Visible faults in Bund?		
Sump condition?		
R/W v/v padlock?		
D.O. tk drain v/v padlock?		
D.O Tank 2		
Rain water present?		
Bund holding water?		
Visible faults in Bund?		
Sump condition?		
R/W v/v padlock?		
D.O. tk drain v/v padlock?		
D.O Tank 3		
Rain water present?		
Bund holding water?		
Visible faults in Bund?		
Sump condition?		
R/W v/v padlock?		
D.O. tk drain v/v padlock?		
HFO Tanks		
Rain water present?		
Bund holding water?		
Visible faults in Bund?		
Sump condition?		
R/W v/v padlock?		
HFO tk 1 drain v/v padlock?		
HFO tk 2 drain v/v padlock?		

Week No: _____

RE Signature: _____

Date: _____

	File: SOP DPS 17 - Tank Area Bund Wall_r1_06-06-13	
	Environmental Management System	Page 8 of 9

Annex 2

Drawing DPS/XZ/93 – Diesel and Heavy Fuel Oil Bund Area

