

Employer: **Enemalta Plc**Date: **07 / 11 /2016**

Time:

Venue:

Job ref: **MPS-MS-Turbine Hall
8 – internal concrete
structure**Issue date: **23/06/2017**

Works Method Statement	R01	Area	Zone 05		
Description of Works	Scarifying of surface concrete and subsequent demolition of concrete structure				





The report should be read in conjunction with preliminary reports and tests / HAZMAT already submitted where all relevant information on Health and Safety and established legal notices are supplied.

Item	Description	Action	Target Date
	General context of works: This method statement relates to the concrete structure situated in Zone 5 where the turbine and generator 8 used to be housed, prior to being dismantled. In view that all the metal works in the specific area have been removed, the cleaning and decontamination of the concrete surface, based on test results can be carried out.		
	METHOD STATEMENT		
1.0	DESCRIPTION OF AREA / STRUCTURE		
	Situated in Zone 5, the structure consists of a concrete mass which used to house the rotor and turbine for Boiler 8. As a result of its previous use, the structure has been subject to oil spills through the years which have resulted in surface staining of the concrete.		
	As can be seen in the attached / underlying photos and also through specific and localized testing of the area, the area which has been outlined for scarifying prior to demolition is situated in the far edge of the structure. Moreover, a concealed area on the opposite extent of the structure should also be considered for scarifying in view of reports outlining possible oil contamination.		
	The structure is easily accessible on two sides without creating any disturbance to adjacent structures.		
2.0	SAFETY PRECAUTIONS PRIOR TO WORKS		
	<ul style="list-style-type: none"> ➤ Switching off or protect all live equipment ➤ Limiting access to area using hoarding and erecting necessary signage. ➤ Wearing of PPE suitable for working in close proximity of contaminated oil albeit not in a disturbed form and potential generated airborne dust. ➤ Appropriate harnesses for working at heights 		
2.0	Environmental Issues		
	<ul style="list-style-type: none"> - HAZMAT survey submitted to ERA clearly indicates that the surface concrete where there is severe staining is to be considered as hazardous waste due to the presence of petroleum hydrocarbons. It is likely that once the surface layer is removed, the sub surface will be non-hazardous, but this will be confirmed through testing of the material following removal of severely stained areas. The HAZMAT report also shows that the concrete that is only very lightly stained is non-hazardous. 		
	<ul style="list-style-type: none"> - Given that the structure is mainly metal beam sections, no major environmental issues are foreseen however care will be taken when scarifying works are being carried out in view of the dust generated during the works. Air quality monitoring for PM10 will be carried out during works and workers will be obliged to wear masks when working and when entering the shed during works. 		
3.0	WORKS METHODOLOGY		
	Works will be carried out using light weight machinery, possibly a hand held scarifier / chaser.		
	Scarifying will be carried out up to 20mm depth from the existing surface.		

	Personnel will be hoisted using man cage lifter to the required areas and work at heights.		
	Cleaning works will be carried out during the scarifying process in order to minimize dispersion of oil stained debris. All material will be stored in big bags, sealed and carted off site as per prescribed method statements. The heavily stained material will be exported as hazardous waste.		
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4.0	TIMEFRAMES		
	Preparatory works and protection of surrounding areas – 1 days		
	Scarifying – 7 days		
	Pre packaging and carting off site of heavily stained debris – 1day		
	Cleaning of area – 1day		
	Earmarked date of commencement: October 2017		

AREA Photographic survey

Ref	Photo	Area / Zone	Status
		5	
	Horizontal platform		
		5	
	Vertical wall		

Other Works related

Ref	Area / Zone	Description	Completion date	Notification	Status
		Access control of surrounding areas			

Further information required from entities

Ref	Area / Zone	Description	Notification	Status
		Liaising with Enemalta environmental and HS personnel		
		Air monitoring for PM10.		

Personnel / machinery earmarked for use

Zone	Area	Description	Number	
		Workers	4	
		TOTAL	4	

Attachments:

- ☐ Drawings (specify)
☐ Other (specify)

Minutes prepared by:

George Farrugia

Approved:

Y / N