

Employer: **Enemalta Plc**Date: **23 / 03 / 2017**

Time:

Venue:


Job ref: **MPS-MS-switchgears**Issue date: **23/03/2017**

Works Method Statement	009	Area	All Zones		
Description of Works	Cleaning and removal of the switchgear units and other electrical control panels				

Site	
	Zone 3

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

Works Method Statement			
Item	Description	Action	Target Date
1.0	DESCRIPTION OF AREA / STRUCTURE / Elements		
	The switchgears are located all over the MPS bearing different name and configurations.		
	The switchgears and panels main components consist mainly of: <ol style="list-style-type: none"> 1. Metal casings on the external cover 2. Oil bath 3. Solenoids 4. Springs 5. Electrical components (WEEE) 		
2.0	SAFETY / ENVIRONMENTAL PRECAUTIONS PRIOR TO WORKS		
	<ul style="list-style-type: none"> - An oil sample was taken and tested for PCBs and PCTs from each type of switchgear and is documented in the Hazmat. - A thorough study resulted in ACM being present around the piping at the back only of the switchgears. The ACM will be removed by PTMatic and carted off site using appropriate procedures outlined in the Hazmat and ACM related method statements already submitted. - Any Wee will be separated in Big Bags and carted off site using waste code allocated for WEEE, meaning 16 02 13* 		



3.0	WORKS METHODOLOGY		
SG 01 – BRUSH SWITCHGEAR	<p>These switchgears have been opened and the necessary ACM testing has been carried out which resulted in the finding of same ACM only on the cables at the back area. These cables covers will be removed by PTmatic using procedures already outlined in various ACM method statements.</p> <p>Following the removal of any ACM, the switchgears will be completely stripped of any wee items and a photographic survey will be carried out of the empty switchgear unit once this item is complete. The back buss bars will be removed and carted off site as metal. The oil containers at the bottom of the SG have been emptied and these will be removed from site as a whole since these are not considered as WEEE but motors, since these consist of copper coils and iron casings which can be separated from each other and discarded as metals.</p> <p>Once the SG is fully striped, the empty metal box will remain in the current location and will be dismantled during the demolition works in view that there is more metal within the same are which will need to be separated from the inert debris the latter being the construction material including concrete and masonry blocks.</p>		
SG-02 – CONTROL ROOM AND BRUSH SG	Same method of dismantling will be carried out as in item one above with the difference that the elements would be removed from the room during the actual demolition and once the control room has been opened through demolition works. Waste expected includes WEE, Oil and ACM (will be verified at a later stage)		
SG 03 – Direct Earthing Breakers	<p>The elements will be emptied of any oils and any metals which are oil stained will be separated. Once the elements are devoid, these will remain in place and removed during the demolition works.</p> 		




SG 04 – 33kv switchgear	<p>The dismantling procedure will consist firstly in the removal of the oil. Once this is complete, and any ACM found is removed, the elements will be kept in place and removed from the area during the demolition stage and the room is opened. With direct access to the external areas.</p> <p>If any ACM is found this will be removed by PTMatic as per standard procedure.</p>		
Batteries	Once a permit of works is issued and the batteries are fully discharged, these will be separated and taken off site as a whole under battery status.		
4.0	TIMEFRAMES		
	Removal of oil process	30 days	
	Dismantling of wee elements	6 days	
	Final report on finished product	1 day	
5.0	Hazardous waste Classification of WEE		
	ferrous metal	19 12 02	
	Non ferrous metal	19 12 03	
	WEEE	16 02 13*	




AREA Photographic survey			
Ref	Photo	Area / Zone/Description	Status
		Weee disposal	

		Wee elements	
1			
			

3			
4			
4		ACM area	

5			
6			
7		No ACM	

		CONTROL ROOM	
		33KV sg South Wales	
		batteries	

		ACM removed by PTMatic	
		Empty motors	
2		Final Product sample	

Other Works related

Ref	Area / Zone	Description	Completion date	Notification	Status
		Removal of ACM			
		Separation of all wee elements			

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Further information required from entities

Ref	Area / Zone	Description	Notification	Status

Personnel / machinery earmarked for use (or on standby)

Zone	Area	Description	Number	
		Helpers	4-5	
		TOTAL		

Attachments:

- ☐ Drawings (specify)
☐ Other (specify)

MS prepared by:
Approved:

George Farrugia
Y / N