

Multigas Limited

**Industrial and Medical Gases
Manufacturers**

Integrated Pollution Prevention and Control

Acetylene Production Site

Marsa

February 2012

Integrated Pollution Prevention and Control Document Review

Table 1.4.1: Improvement programme

Reference	Requirement	Comment
Permit	Acetylene Production Permit Number IP 0005/06	Site Upgrade
1	Submission of a plan to the satisfaction of the Authority for management of wastes from the installation, as per Schedule 4.	The Calcium Hydroxide sludge is now being dried in dedicated skips. The full skips are being transported to a site (Bonnici Bros site in the Rabat limits) for use in lean concrete mix. The transport company (Bonavia and Nephews Ltd) is a licensed company for such activity.
2	Submission of an Emergency Plan for the plant. This plan shall include the information requested by the IPPC Committee (correspondence dated 12 December 2007), as well as a certificate from a competent fire company that the relevant fire safety and equipment are in place.	The Emergency Plan has been submitted to the Authority.
3	Testing of settling pits and any bunds on site for impermeability by an independent, warranted engineer.	The three settling pits have been tested by and independent warranted engineer and the relevant certification has been sent to the Authority.
4	Submission of an Environment Management System (EMS), as per Conditions 1.3.1 to 1.3.3 and containing at least the information in Schedule 5.	A management system for the site Environment has been created and the document has been submitted to the Authority.
5	Submission of all the necessary information required by the Water Services Corporation for processing of a Sewer Discharge Permit for the site.	The company has set up an industrial liquid waste treatment unit to treat this waste prior being disposed in the public sewer. Consultations are being held the 'Water Services Corporation' to review the sewer permit to include disposal in industrial liquid waste.

6	Full review of the Site Closure Plan (Decommissioning Plan). This should, as a minimum, include information on plans for the equipment and materials on site and actions to be taken to avoid pollution risk and return the site to a satisfactory state after ceasing operations.	A plan for the plant decommissioning has been created and the document has been sent to the Authority.
	New improvements not contemplated in the above review	
1	Site Management Quality: ISO 9001:2008	The acetylene production site in Marsa is now certified to ISO 9001:2008
2	Site Fire Control:	A fire detector system has been installed in the acetylene plant rooms, while a low explosive level fire alarm has been installed in the generator room.
3	Building Ventilation:	Ventilation grills have been installed in the production rooms and the stores.
4	<p>Site Safety: i. Site Risk Management</p> <p>ii. Emergency Plant Shut Down</p> <p>iii. ISO 18001:2007 Health and Safety certification</p> <p>iv. Weed Control</p>	<p>A Site Risk Management Assessment has been carried by an independent surveying company.</p> <p>An Emergency Plant Shut Down System has been installed to shut down all plants by one emergency shut-down switch.</p> <p>It is planned that within this year (2012) the acetylene plant site is audited and certified to ISO 18001:2007 Health and Safety certification.</p> <p>The company has entered into an agreement with a contractor so that weed growth on the site is controlled, thus reducing a fire risk when the weed is dry.</p>

	v. Area Segregation	The company's property not related to production has been physically segregated from the production area.
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Ing. Vincent Bartolo
13th February 2012