

Title: SPECIFICATION FOR SITE VACUUM SURFACE RECLEANING PROCEDURE

SPECIFICATION FOR  
SITE VACUUM SURFACE RECLEANING PROCEDURE  
FOR  
LIGO VACUUM EQUIPMENT

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and  
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**1.0 PURPOSE**

This specification covers the minimum requirements for the on-site recleaning of vacuum surfaces of components for the LIGO vacuum system, should it prove to be required.

**2.0 GENERAL**

Components are fully cleaned at PSI. Therefore, full site cleaning should not normally be required.

**3.0 RESPONSIBILITIES**

- 3.1 Cleaning shall be performed by an engineer, technician or shop worker familiar with this procedure and the cleaning systems and equipment.
- 3.2 This procedure shall be maintained and modified as required by the cognizant engineer.

**4.0 PROCEDURE**

- 4.1 Should small areas of contamination need to be recleaned, they shall be cleaned by use of a CO<sub>2</sub> cleaning system. A vacuum vent system shall be used to remove the CO<sub>2</sub> gas and any entrained contaminants from the vessel being cleaned.
- 4.2 If major areas are contaminated, the component shall be removed off-site to be pressure washed with a detergent, rinsed with city water, and rinsed with DI water. These operations shall be completed in accordance with PSI Specification V049-2-085. The component shall be closed and packaged in a Class 100 cleanroom.

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