

Title: Changes to PVHO-2 (2012 Edition vs 2003 Edition)

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Because ASME PVHO-2–2012 has been revised (and re-organized) in its entirety – a comprehensive one-on-one list of changes is quite difficult. They include (but are not necessarily limited to) the following.

SCOPE was expanded to technical requirements and guidelines for the operation and maintenance of PVHOs and PVHO systems that were designed, constructed, tested, and certified in accordance with ASME PVHO-1.

That is, it now applies to the entire chamber – vs the windows ONLY

Revised the Window User’s Responsibilities in RESPONSIBILITIES AND JURISDICTIONAL CONSIDERATIONS to become a more general User’s Responsibilities (along with adding expanded requirements) -- and moved Window User, Window Designer, and Window Fabricators Responsibilities to a new Section on WINDOWS.

Created a new Section of IN-SERVICE EVALUATIONS, REPAIRS, AND MODIFICATION OF PVHOs -- and provided a definition of Pressure Boundary (Except for Windows).

Created new Sections on PVHO AND PVHO SYSTEMS DOCUMENTATION, OWNER’S MANUAL and MAINTENANCE REQUIREMENTS

Revised the Sections on Competency and Training of Inspectors into a new Section on Qualification of Window Inspectors

Revised the allowable size of Blemishes and Flaws on the Bearing Surfaces of Group E Windows

Significantly revised the Window Maintenance Inspection Form to encompass the entire Viewport

Significantly revised Mandatory Appendix V – Partial List of Harmful Substances and Acceptable Products

Added PVHO-2 CASE 1 -- Alternative 10-yr Maintenance Viewport Inspection for Cylindrical Windows

Moved the Definitions into an Appendix (with some minor changes)