

<b>Title:</b>	Guidance for FFS Evaluation of Hydrostatic Test Exemption	<b>Agenda Item # 653-1014</b>
<b>Date:</b>	05/21/2024	
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<b>Purpose:</b>	Provide guidance and references for the evaluation of hydrostatic test exemption.	
<b>Source:</b>	Task Group on Aboveground Storage Tank Fitness-for-Service	
<b>Revision:</b>	1	
<b>Impact:</b>	<ul style="list-style-type: none"> <li>Improve safety by outlining minimum requirements to the storage tank engineer.</li> <li>Inform tank owner/operator of minimum requirements for the exemption.</li> </ul>	
<b>Rationale:</b>	<p>This ballot provides additional guidance in paragraph 12.3.3.7 of API 653 on the evaluation needed to exempt hydrostatic testing.</p> <p>The proposed verbiage is intended to provide guidance to the storage tank engineer to ensure a fitness-for-service assessment is performed per a recognized standard. Additionally, the importance of inspection is highlighted with reference to ASME PCC-2 as a resource. This guidance is analogous to paragraph 5.8.8 "Pressure-testing Alternatives" in API 510.</p> <p>Proposed changes in red font.</p>	
<b>Proposed verbiage:</b>	<p style="text-align: center;"><b>Annex Y</b> (informative)</p> <p><i>ASME PCC-2, Repair of Pressure Equipment and Piping</i></p> <p><b>12.3.3.7 Fitness-for-Service Evaluation</b> The owner/operator may utilize a fitness-for-service <b>assessment in accordance with API 579-1/ASME FFS-1</b> or other appropriate evaluation methodology based on established principles and practices to exempt a repair <b>or alteration</b> from hydrostatic testing. <b>Appropriate NDE shall be specified and conducted when a hydrostatic test is not performed after a major repair or major alteration. The inspection scope and NDE methods shall be adequate for the detection of the critical flaw size(s) determined as acceptable through the fitness-for-service evaluation. Refer to ASME PCC-2 for guidance on NDE in lieu of pressure testing for repairs and alterations. <del>The procedures and acceptance criteria for conducting an evaluation alternative analysis are not included in this standard.</del></b> This evaluation shall be performed by an engineer experienced in storage tank design and the evaluation methodologies used.</p>	