

SWS Variance Request Form
(complete one form for each request)

Proposed State Standard	<i>The Montana Weatherization Assistance Program Field Guide shall ensure adequate indoor air quality and occupant health by requiring Worst Case Combustion Appliance Zone (CAZ) testing in all homes containing natural draft (Category I) combustion appliances. To create consistency within the existing SWS CAZ test protocol, a variance is requested to exclude the use of the CAZ Depressurization Limits Table (SWS 2.0299.1) and SWS 2.0201.1e in favor of relying on actual spillage test results to determine whether a combustion compliance is operating safely.</i>
Relevant SWS(s)	<i>2.0299.1 Combustion Appliance Depressurization Limits Table 2.0201.1e Depressurization Test</i>
Objective of Relevant SWS	<i>Both of the SWS topics above aim to ensure that combustion appliances draft properly during and following the installation of weatherization measures.</i>
Difference between Proposed and SWS Language	<i>Under the greatest depressurization possible, as created with the worst case CAZ depressurization test, the proposed variance would pass an appliance if spillage ceased within the prescribed limit of 2 minutes (2.0201.1f). The variance will rely on the actual test performance of an appliance under worst case depressurization to determine if it is drafting properly.</i>
Specific Conditions Where Variance will Apply	<i>This provision would apply to all homes receiving CAZ depressurization testing. As a side note, DOE has approved a variance request to exclude Direct Vent (sealed-combustion) appliances from the CAZ testing protocol from the Montana program.</i>
Reasoning/Justification (Include supporting technical materials as appropriate)	<i>SWS 2.0299.1 and SWS 2.0201.1e appear to be in conflict with one another. Where 2.0299.1 provides depressurization limit guidance for a range of different heating appliances, section 2.0201.1e has a blanket depressurization limit of -3 pa and does not take into account the differences between appliances, their fuel and burner type, venting configuration</i>

	<p><i>or measured test performance. We seek to provide a concrete test method based on actual test performance for our contractors to ensure the safety of our clients.</i></p>
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DOE Review Notes:

Required Signatures:

Marcin Lemon
Grantee Representative submitting request

3/03/2016
Date

JONNY MUCKEY

Digitally signed by JONNY MUCKEY
DN: c=US, o=U.S. Government, ou=Department of Energy, cn=JONNY MUCKEY,
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DOE Technical Approval

Date