Final Report and Approval Status June 2015

California Community Colleges Locally Managed/Developed Objective Test

College: Mt. San A	ntonio Colle	ege	Renewal Request? X Yes No		
_	ornia Chemi version)	istry Diagnostic Test	Prior review dates:	Resubmit from a 2014 Renewal	July
Recommendation:	X_Ap	proval visional Approval	Probationary ApDisapproval	proval	
Yes <u>X</u> Yes <u>X</u> Yes <u>X</u> Yes <u>X</u>	No 2. No 3. No 4.	Test Bias Cut Score Disproportionate imp	y orInternal Consisten oact* (See Comment)	cyStandard Error)
Review Analysis and	l Comments				
1. Validity					
Content (X_Insuffic	cient Info.	Plan Only/No Data	Inadequate Study	Other)	
2. ReliabilityStability -OR- (_InsufficeInternal Cons		Plan Only/No Data	Inadequate Study	Other)	
Standard Error (_Insuffic	cient Info	Plan Only/No Data	Inadequate Study	Other)	
3. Test Bias (_Insuffice (Note: Must perform cultural groups.)		Plan Only/No Data IF analysis, panel group, or d	Inadequate Study ifferential prediction for appro	Other) opriate linguistic and/or	

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4.	Cut Score (_Insufficient Info. (Note: May establish cut score	Plan Only/No Data through empirical or judgme		Other)	
5.	Disproportionate Impact (Insufficient Info.	Plan Only/No Data	Inadequate Study	X Other)	

(NOTE: This is not a new comment but retained from July 2014 report)

The college presented a thorough analysis of disproportionate impact including two follow-up studies that consider the relationship of course placement with high school background and with intermediate algebra course placement. The results of the second study suggest that Latino students who place into intermediate algebra – an important pre-course skill – are less likely to also place into the CHEM50 course when compared to all other ethnicities, thus indicating disproportionate impact that is unrelated to low academic preparedness and high rates of economically disadvantaged family background which the first study suggests. The college is urged to further investigate this finding and to develop concrete plans to remedy the disproportionate impact on Latino students for placement into CHEM50. Similar plans of action should also be developed to address the disproportionate impact observed for female students.

6. Other