



# Air Resources Board



**Matthew Rodriquez**  
Secretary for  
Environmental Protection

**Mary D. Nichols, Chairman**  
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Sacramento, California 95812 • [www.arb.ca.gov](http://www.arb.ca.gov)

**Edmund G. Brown Jr.**  
Governor

June 13, 2012

Jeffrey Otjen  
Project Manager PB/MDF/HB  
Georgia-Pacific Chemicals, LLC  
2190 Old Salem Road, NE  
Albany, Oregon 97321

Dear Mr. Otjen:

Thank you for your request to have the Georgia-Pacific Dynamic Microchamber (GP™ DMC) added to the list of alternative small scale test methods for use by manufacturers of composite wood products that conduct quality control testing of formaldehyde emissions. As you know, the original DMC, which consists of a small chamber with an electrochemical sensor, was marketed by Results Technology Inc. (RTI) and is currently listed on the Air Resources Board's (ARB's) composite wood products website as an approved alternative small scale test method. We understand that RTI is no longer in business and that Georgia-Pacific is providing DMC service and parts. We also understand that Georgia-Pacific has upgraded the software used to operate the DMC (referred to as GP™ DMC version 1.20) and revised the User Manual, dated April 2012, all in an effort to achieve enhanced accuracy. Changes specified in the user manual include: tighter specifications on the temperature and relative humidity of the room housing the GP™ DMC, new daily calibration procedures, and required annual calibration by a certified GP™ DMC technician.

For ARB to approve of an alternative small scale test method, it must be shown to correlate to primary or secondary method test results. The data you provided us demonstrates that the GP™ DMC shows a good correlation to data from primary method (large chamber) tests over a range of formaldehyde concentrations pertinent to our emission standards. These data are included in Appendix IV of the User Manual. Based on our analysis of the information provided, ARB staff recommends that the GP™ DMC be accepted as an alternative small scale test method. On behalf of our Executive Officer, James N. Goldstene, we hereby approve your request.

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.*

California Environmental Protection Agency

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The GP™ DMC is approved for use by any manufacturer, provided that the following condition is met by all persons using the GP™ DMC:

Small scale quality control tests of composite wood products performed using a GP™ DMC must follow all operational parameters and calibration procedures specified in the GP™ DMC User Manual.

We will add the GP™ DMC to our composite wood products website, as an approved alternative small scale quality control test method for use by any manufacturer of composite wood products, pursuant to California Code of Regulations section 93120.9(d) and section 93120.12, Appendix 2, subsection (g)(1)(C). In addition, we will retain the original DMC on our list of approved alternative small scale test methods.

If you need further assistance, please contact Mr. Lynn Baker, Staff Air Pollution Specialist, Technical Analysis Section, at (916) 324-6997.

Sincerely,



Daniel E. Donohue, Chief  
Emissions Assessment Branch  
Stationary Source Division

cc: Mr. Lynn Baker  
Staff Air Pollution Specialist  
Technical Analysis Section  
Emissions Assessment Branch