



Winston H. Hickox
Agency Secretary

Air Resources Board

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Chairman

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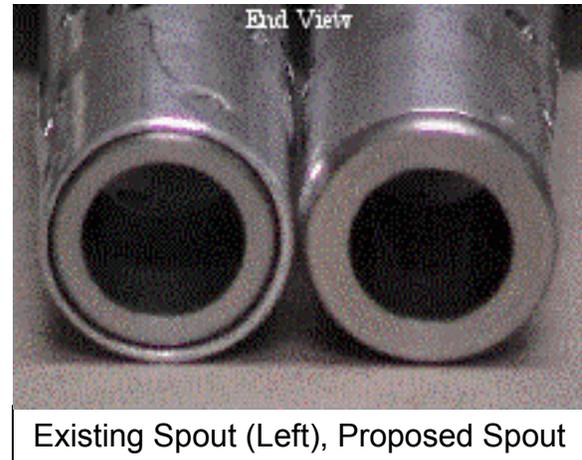
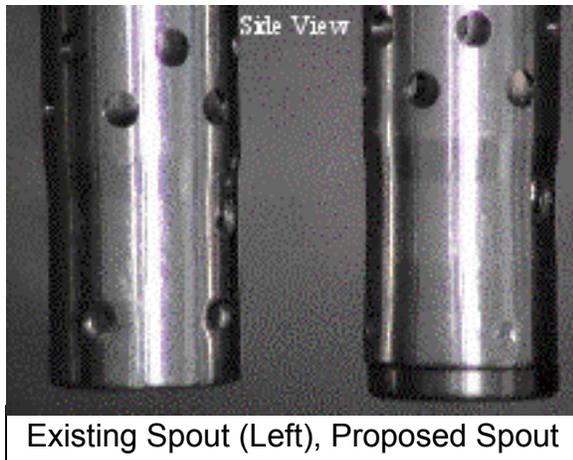
May 14, 2002

#02-07

Mr. Les Rogers
Engineering Manager
Richard's Industry, Inc
129 Manufacturer's Road
Rockwood, Tennessee 37854-4105

Dear Mr. Rogers:

I am responding to your letter dated April 9, 2002, regarding certification requirements for the proposed spout modifications to the Richard's Astrovac Phase II vacuum assist vapor recovery nozzle. The modification consists of replacing the existing stainless steel spout tip with a stainless steel spout tip that has an integral 1/8" shoulder on it. This shoulder further protects the nozzle spout from damage due to normal use of the spout.



After reviewing the design change and the two samples sent to CARB for evaluation, we have determined that the proposed changes to the design should not impact the performance of the nozzle in collecting vapor. Therefore, Richard's may proceed with this spout modification on its Astrovac Phase II vapor recovery vacuum assist nozzle.

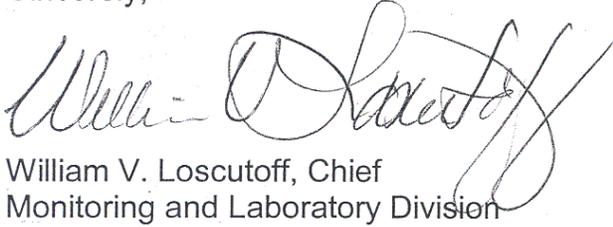
The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

Mr. Les Rogers
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If you have further questions, please contact Ranjit Bhullar at (916) 327-8528 or via email at rbhullar@arb.ca.gov or Paul Thalken at (916) 445-9499 or via email at pthalken@arb.ca.gov.

Sincerely,



William V. Loscutoff, Chief
Monitoring and Laboratory Division

cc: Rosa Salcedo, San Diego County APCD