



# Air Resources Board



**Matthew Rodriguez**  
Secretary for  
Environmental Protection

**Mary D. Nichols, Chairman**  
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**Edmund G. Brown Jr.**  
Governor

February 25, 2013

#13-01

Mr. David Dooley  
Containment Solutions Incorporated  
12 East Baltimore Street, Suite F  
Taneytown, Maryland 21787

Dear Mr. Dooley:

The purpose of this Approval Letter #13-01 is to provide further clarification of the model-number designation for Containment Solutions Incorporated (CSI) Hoover Vault aboveground storage tanks (AST). The Hoover Vault ASTs were certified under Executive Orders (EO) VR-301-D and VR-302-D (Standing Loss Control Vapor Recovery Systems for Existing and New ASTs).

It has come to our attention that the certified Hoover Vault ASTs were identified by different model numbers in the past than those used today by CSI. Previously, ARB staff has released two Approval Letters (#11-01 dated September 29, 2011 and #11-02 dated November 17, 2011) addressing model number issues (see Table 1). This Approval Letter #13-01 will include additional model numbers of Hoover Vault ASTs in Table 1.

These additional model numbers will be added to the next revision of EOs VR-301 and VR-302. In the interim, this Approval Letter shall be used to indicate that CSI Hoover Vault ASTs with the model numbers listed in Table 1 are certified for standing loss control.

If you have questions or need further information, please contact Ms. Donielle Jackson at (916) 445-9308 or via email at [djackso@arb.ca.gov](mailto:djackso@arb.ca.gov), or Mr. Lou Dinkler at (916) 324-9487 or via email at [ldinkler@arb.ca.gov](mailto:ldinkler@arb.ca.gov).

Sincerely

Michael T. Benjamin, Chief  
Monitoring and Laboratory Division

cc: See next page.

*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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cc: Dillon Collins  
San Joaquin Valley Air Pollution Control District

Danny Luong  
South Coast Air Quality Management District

Kevin Tokunaga  
Glenn County Air Pollution Control District

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State Water Resources Control Board

James Parsegian  
Department of Forest and Fire Protection

John Roach  
Department of Food and Agriculture

Amit Gupta  
Department of Industrial Relations

**Table 1: Changes to CSI "Hoover Vault" AST Model Number Designations Listed in Exhibit 1 of ARB Executive Orders VR-301 and VR-302**

<b>Wall Thickness</b>	Four (4) Inches of Insulation (lightweight concrete) Between Primary and Secondary Walls.	Six (6) Inches of Insulation (lightweight concrete) Between Primary and Secondary Walls.
<b>Current Model Number</b>	V4AAXXXXVXXXX	V6AAXXXXVXXXX
	Where "X" equals numbers from 0 to 9.	
<b>Corrected Model Number Per Advisory #11-01</b>	V4AAXXXX <sup>1</sup> VX <sup>2</sup> XXX	V6AAXXXX <sup>1</sup> VX <sup>2</sup> XXX
	<p>where "X" equals numbers from 0 to 9, except:</p> <p><sup>1</sup> In the 8th digit location if the tank size is 1,000 gallons or greater. In that instance "X" will either be a "C" or an "M" roman numeral representing a value of 100 or 1,000; and</p> <p><sup>2</sup> In the 10 the digit location, where "X" will either be and "S" for standard or an "8" for modified.</p>	
<b>Corrected Model Number Per Advisory #11-02</b>	<p>LDPXXX, LDPXXXX, LDPXXXXX</p> <p>Note: all LDPXXX models are equipped with four (4) inches of insulation (lightweight concrete) between the primary and secondary walls.</p> <p>Where "X" equals numbers from 0 to 9 and denotes the size of the AST in gallons (12,000 gallons or less); and for ASTs manufactured after 1993 and before 2002.</p>	
<b>Corrected Model Numbers Per Advisory #13-01</b>	<p>LDPXXX, LDPXXXX, LDPXXXXX, LDPXXXXP, LDPXXXXP, LDPXXXXXP;<sup>1</sup>            LPDXXX, LPDXXXX, LPDXXXXX, LPDXXXXP, LPDXXXXP, LPDXXXXXP;<sup>2</sup>            LPXXX, LPXXXX, LPXXXXX, LPXXXXP, LPXXXXP, LPXXXXXP;<sup>3</sup>            LDPDXXX, LDPDXXX, LDPDXXXX, LDPDXXXXP, LDPDXXXXP,            LDPDXXXXXP;<sup>4</sup>            LPDDXXX, LPDDXXXX, LPDDXXXXX, LPDDXXXXP, LPDDXXXXP,            LPDDXXXXP<sup>5</sup></p> <p>Where "X" equals numbers from 0 to 9 and denotes the size of the AST in gallons (12,000 gallons or less);</p> <p><sup>1</sup> the "P" at the end indicated "protected" before UL reprinted tank labels;</p> <p><sup>2</sup> the LPD is a misprint of LDP (and may have a "P" at the end of the model number);</p> <p><sup>3</sup> the LP is a misprint of LDP (and may have a "P" at the end of model number);</p> <p><sup>4</sup> the second "D" may be used to indicated duel compartment (and may have a "P" at the end of the model number);</p> <p><sup>5</sup> the second and third letters may be a misprint ("PD" instead of "DP"), there is a second "D" to indicate a duel compartment, and there may be a "P" at the end of the model number; and For ASTs manufactured after 1993.</p>	

**Table 1: Changes to CSI "Hoover Vault" AST Model Number Designations Listed in Exhibit 1 of ARB Executive Orders VR-301 and VR-302 (continued)**

<b>Examples</b>	V4AAX15CVSXXX 1,500 gallon, standard tank	V6AAX250VSXXX 250 gallon, standard tank
	V4AAX05MV8XXX 5,000 gallon, modified tank	V6AAX550V8XXX 550 gallon, modified tank
	V4AAX12MVSXXX 12,000 gallon, standard tank	V6AAX900VSXXX 900 gallon, standard tank
	LP1200= 1,200 gallons	LP12000P= 12,000 gallons
	LDP550 = 550 gallons	LDP12000 = 12,000 gallons
	LDP1000P= 1,000 gallons	LPD500= 500 gallons
	LPD12000P= 12,000 gallons	LDPD1000= 1,000 gallons, duel comp.
	LPDD1000= 1,000 gallons, duel compartment	LDPD12000P = 12,000 gallons, duel compartment
	LPDD12000P= 12,000 gallons, duel compartment	