

Village Board,

Please note both Vermont and California have strict laws governing the use of lead free material in all their drinking water. Many other states and local governments have issued mandates but not as strong as Vermont and California. We as we try to be a GREEN village we need to provide the best for the downtown and Sunset development as far as water quality.

Also note that we are not talking about all the valves in the new water treatment plant but only those that come into direct connect with the water. Such as the Check Valves and globe style valves. The additional cost is between 7 to 14% per valve. If it is an 8 inch size valve that would be around 120 to 150 dollars per valve. I do not know how many valves ESI is putting in the system but I would assume it would not cost us more then \$2500 to \$7500 to give our citizens and visitors the best we can when coming to Long Grove. Thanks for looking into this and if you need more info just let me know.

Best, Terry Connolly

Village Board,

One other quick note, I am not promoting ValMatic as the company to use. I just know they have the valves available and ESI has specified using some ValMatic valves and ValMatic is #1 in this industry, they just have not told me which ones. The ESI guy heading up the project for us just does not seem interested in doing the right thing using the lead free valves and believe me he is wrong. Why go through this and then have to spend the money to change the valves 2,3 or 5 years from now at a higher cost.

Terry

February 2, 2009

Re: Vermont and California State Lead Law Requirements for Manufacturers and Distributors  
Vermont Title 9, Chapter 63, 2470h Consumer warnings; notification; phase-outs  
California Health and Safety Code Section 116875, 116880 and Section 25214.4.3

The states of Vermont and California recently passed laws that regulate lead levels in certain plumbing products and consumer products. Your company has been identified as a supplier of products that may be affected by these laws. The laws cover the

following products:

- Wheel weights for vehicles
- Plumbing Fixtures (i.e. pipes, pipe and plumbing fittings, and fixtures used to convey or dispense water for human consumption) and related supplies
- Solder or flux used for plumbing
- Nonresidential paints and primers

Vermont's law contains specific schedules for mandatory disclosures and specifies warnings and handouts for purchasers of products that contain lead. Both the Vermont and California laws establish maximum levels of lead for the specified products that are sold in these states.

is providing a brief summary of some of the more pertinent provisions of these laws. However, this is being done as a courtesy to you and you must review these laws for yourself to determine their applicability to the products you sell. For purposes of your analysis, you should assume that the products you sell may be resold or distributed in Vermont and California.

#### Summary of the Vermont law:

##### **Wheel weights**

- Beginning January 1, 2010, motor vehicles owned by the state or operated under a long-term lease by the state shall not use wheel weights containing lead.
- Beginning September 1, 2011, no person shall sell or offer for sale a new motor vehicle with wheel weights containing lead.
- For purposes of wheel weights, Vermont defines "contain or containing lead" to mean the following:
  - 0.06% as of October 1, 2008
  - 0.03% as of July 1, 2009
  - 0.01% as of January 1, 2010, or
  - The lowest applicable federal standard, if the state standard for a category of products is preempted

##### **Plumbing Fixtures**

- Beginning January 1, 2009 and ending December 31, 2009, any person who sells or offers for sale in or into Vermont plumbing fixtures whose wetted surfaces contain more than a weighted average of 0.25 percent lead shall post a warning at the point of sale stating that these products contain lead and shall also provide to each buyer prior to the sale, information on the risks of lead exposure.

- Note: Weighted average lead content shall be calculated by using the following formula: the percentage of lead content within each component that comes into contact with water shall be multiplied by the percent of the total wetted surface of the entire pipe and pipe fitting, plumbing fitting, or fixture represented in each component containing lead; these percentages shall be added; and the sum shall constitute the weighted average lead content of the pipe and pipe fitting, plumbing fitting, or fixture.

#### **Solder or Flux**

- Beginning January 1, 2009, any person who sells or offers to sell in or into Vermont solder or flux containing more than 0.2 percent lead shall post a warning at the point of sale, stating these products contain lead and shall also provide to each buyer prior to the sale, information on the risks of lead exposure.
- Beginning January 1, 2010, no person shall sell or offer for sale in or into Vermont, or use in the state of Vermont, solder or flux for plumbing that contains more than 0.2 percent lead or plumbing fixtures whose wetted surfaces contain more than a weighted average of 0.25 percent lead.

#### **Non-residential Paints and Primers**

- Beginning January 1, 2009, and ending December 31, 2010, a person who sells or offers for sale in or into Vermont nonresidential paints and primers containing lead shall post a warning at the point of sale and shall also provide to each buyer prior to the sale, information on the risks of lead exposure.
- Beginning January 1, 2011, no person shall sell or offer for sale in or onto Vermont nonresidential paints or primer containing lead.
- The same definition of "contain or containing lead" applicable to wheel weights applies to non-residential paints and primers.

#### Summary of the California law

Effective Date: January 1, 2010

Products affected: Any pipe, pipe or plumbing fitting or fixture, solder, or flux.

- This includes: kitchen faucets, bathroom faucets, and any other end-use devices intended to convey or dispense water for human consumption through drinking or cooking.
- It excludes:
  - Service saddles, backflow preventers for nonpotable services such as irrigation and industrial faucets and water distribution main gate valves that are two inches in diameter and above;
  - Pipes, pipe or plumbing fittings, or fixtures that are used in manufacturing, industrial processing, for imitation purposes, and any other uses where the water is not intended for human consumption through drinking or cooking.
- No person shall use any pipe, pipe or plumbing fitting or fixture, solder or flux that is not lead free in the installation or repair of any public water system or any plumbing in a facility providing water for human consumption, except when necessary for the repair of leaded joints of cast iron pipes.
- No person shall introduce into commerce any pipe, pipe or plumbing fitting, or fixture intended to convey or dispense water for human consumption through drinking or cooking that is not lead free (defined as: no more than 0.2 percent lead when used with respect to solder and flux and not more than a weighted average of 0.25 percent when used with respect to the wetted surfaces of pipes and pipe fittings, plumbing fittings, and fixtures. See the California law for specific calculation information.)
- All pipe, pipe or plumbing fittings or fixtures, solder, or flux shall be certified by an independent ANSI accredited third party for lead compliance. The certification shall at a minimum include testing of materials in accordance with protocols used by the California Department of Toxic Substances Control.

We are requesting that you review both the Vermont and California laws to determine how they affect the sale of your products and provide us with the following information:

1. A list of all current products that you sell to us that are affected by this regulation.
2. The current levels of lead in these products
3. Confirmation that third party tests have been performed to determine lead content and written certifications from the third-party tester.
4. A list of substitute products, cross referenced to your product that does not meet the criteria set forth in the Vermont and California laws, that will be available for sale by the applicable dates.
5. Written warning notices and information on risk of lead exposure for your products, that comply with the content and dates contained in the Vermont law.

We have taken steps that prevent selling these products into Vermont. These sale prohibitions will only be lifted for your products upon receipt from you of the necessary documentation demonstrating compliance with the law. Product Manager will be contacting you to review this request and to discuss your plans for meeting these regulatory requirements. Please use the attached form to provide the requested information. Please e-mail the completed forms to the attention of

We appreciate your prompt attention to this matter and look forward to working with you in order to ensure that the products being sold are fully compliant with all applicable laws. We also look forward to your continued communication and support as other regulatory requirements are enacted in other States or Countries.

## Lead's Effects

It is important to know that even exposure to low levels of lead can severely harm children.

### In children, lead can cause:

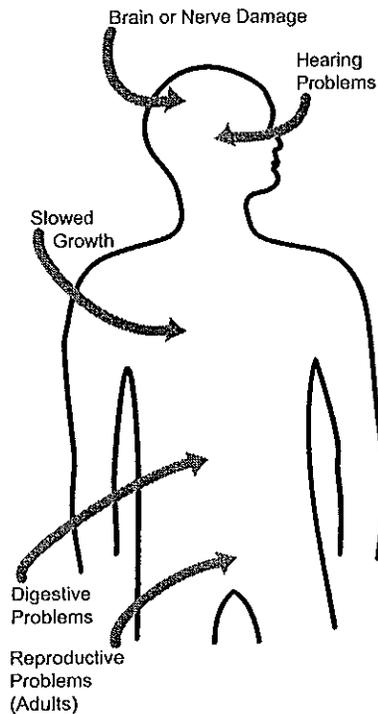
- ◆ Nervous system and kidney damage.
- ◆ Learning disabilities, attention deficit disorder, and decreased intelligence.
- ◆ Speech, language, and behavior problems.
- ◆ Poor muscle coordination.
- ◆ Decreased muscle and bone growth.
- ◆ Hearing damage.

While low-lead exposure is most common, exposure to high levels of lead can have devastating effects on children, including seizures, unconsciousness, and, in some cases, death.

Although children are especially susceptible to lead exposure, lead can be dangerous for adults too.

### In adults, lead can cause:

- ◆ Increased chance of illness during pregnancy.
- ◆ Harm to a fetus, including brain damage or death.
- ◆ Fertility problems (in men and women).
- ◆ High blood pressure.
- ◆ Digestive problems.
- ◆ Nerve disorders.
- ◆ Memory and concentration problems.
- ◆ Muscle and joint pain.



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**Lead affects  
the body in  
many ways.**

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Although it has been used in numerous consumer products, lead is a toxic metal now known to be harmful to human health if inhaled or ingested. Important sources of lead exposure include: ambient air, soil and dust (both inside and outside the home), food (which can be contaminated by lead in the air or in food containers), and water (from the corrosion of plumbing). On average, it is estimated that lead in drinking water contributes between 10 and 20 percent of total lead exposure in young children. Federal controls on lead in gasoline have significantly reduced people's exposure to lead. The degree of harm depends upon the level of exposure (from all sources). Known effects of exposure to lead range from subtle biochemical changes at low levels of exposure, to severe neurological and toxic effects or even death at extremely high levels.



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### **Val-Matic's Newly Designed Website Debut**

Val-Matic Valve & Mfg. Corp.'s modernized website features a new drop-down menu which provides easier navigation - no matter what you are searching for. Val-Matic's Air Valve Sizing Software is available for free download, as are the latest CAD drawings and specifications, brochures and videos. The latest in Val-Matic and industry news is located front and center on the homepage and a dynamic territory map

simplifies the search for local sales representatives. Visit [www.valmatic.com](http://www.valmatic.com) to experience the new and improved site today.

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### Val-Matic Meets Lead-Free Requirements

Val-Matic Valve & Mfg. Corp. has received certification by WQA (Water Quality Association) that our lead-free bronze valves are in compliance with California and Vermont's new Drinking Water Law (effective January 1, 2010). State legislation was passed in California (AB1953) and Vermont (S152) reducing the allowable amount of lead in all products coming in contact with drinking water to contain less than 0.25% lead. All valves containing bronze shipped to California and Vermont must meet the "lead-free" requirement. Val-Matic is proud to be one of the first valve manufacturers in our industry to meet these requirements that affect the drinking water supply for our Dual Disc Check Valves and Threaded, Wafer and Globe style Silent Check Valves. In complying with these new state laws, we are now offering our Dual Disc Check Valve sizes 2"-60" and Silent Check Valves (wafer style in sizes 2"-10" and globe style in sizes 2½"-42") with "lead-free" (less than 0.25%) bronze.



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### Val-Matic Produces Manual and Power Actuators

Val-Matic produces a variety of manual and power actuators that include traveling nut actuators, worm gears, cylinders and motors. The traveling nut manual actuator is designed to specifically match the torque characteristics of Val-Matic Ener•G® Ball Valves and American-BFV® Butterfly Valves. Val-Matic's worm gear actuators provide precise quarter turn actuation in accordance with AWWA Standards and are standard on Plug Valves and optional on Ball and Butterfly Valves. Val-Matic's traveling nut cylinder actuators provide reliable characterized closure while featuring externally adjustable closed stops to control end of valve travel. The torque requirements of their quarter turn valves are met by using Val-Matic's motorized traveling nut and worm gear actuator package.

