

# ELVS end of life vehicle solutions

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December 31, 2008

Ms. Theresa Stiner  
Planning, Permitting, and Engineering Section  
Iowa Department of Natural Resources  
Wallace Building, 502 East 9<sup>th</sup> Street  
Des Moines, Iowa 50219-0034

Subject: End of Life Vehicle Solutions Corporation Annual Manufacturers' Implementation Report

Dear Ms. Stiner,

Iowa Administrative Code 567-Chapter 215, "Mercury-Added Switch Recovery from End-of-Life Vehicles", requires vehicle manufacturers to annually report:

- (1) the number of mercury-added switches collected
- (2) an estimate of the amount of mercury contained in the collected switches
- (3) the capture rate
- (4) the estimated number of vehicles manufactured containing mercury added switches; and
- (5) the estimated number of vehicles that have been processed for recycling

This report is provided by End of Life Vehicle Solutions Corporation on behalf of its member automotive companies. The participating members of ELVS are: Chrysler LLC; Daimler EAPP Americas; Ford Motor Company; General Motors Corporation; Mack Trucks Inc; Mitsubishi Motors North America, Inc; Navistar, Inc.; Nissan North America, Inc; PACCAR, Inc; Porsche Cars North America Inc.; Subaru of America, Inc; Toyota Motor Sales USA, Inc.; Volkswagen Group of America, Inc; and Volvo Trucks North America.

For the period December 16, 2007 through December 15, 2008 a total of 14,823 mercury switches were delivered to the ELVS recycling contractor from Iowa dismantlers, yielding 32.6 pounds of recovered mercury. There are 368 registered dismantlers in Iowa, 66 of which have submitted switches during this period.

The estimated number of switches available for recovery in Iowa during 2008 was 77,000, resulting in a capture rate through December 15, 2008 of 19.3%.

ELVS uses the National Vehicle Mercury Switch Recovery Program (NVMSRP) Switch Retirement Model ([www.elvsolutions.org/model.html](http://www.elvsolutions.org/model.html)) approved by the U.S. EPA and program partners to estimate mercury switch populations. The model was developed to identify switch populations and estimate mercury switch retirement rates through 2017. Therefore the model focuses on mercury switch counts rather than vehicle counts. The model reports that the estimated national total number of mercury switches historically manufactured in vehicles to be 169,185,000. Most of the vehicles containing these switches have already been scrapped, with an estimated 26,788,000 switches remaining in today's national fleet for collection through 2017. Iowa's portion of these switches remaining for collection through 2017 is estimated at 458,000.

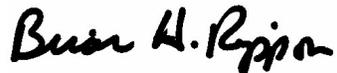
The number of mercury switches that were available nationally for recovery in 2008 is estimated to be 4,327,000 units. In Iowa, 77,000 switches were available for recovery in 2008.

The information presented here is available through the ELVS website, [www.elvsolutions.org](http://www.elvsolutions.org) with linkage to our contractor's website, <http://www.eqonline.com/services/ELVS-Mercury-Switch-Recovery-Program/annual-report.asp?year=all>. Information is updated daily as additional switches are delivered to our contractor, and is available for downloading into Excel for your convenience. This web-based data tracking system is part of ELVS' commitment to data accessibility, and will be available until 2017.

Throughout 2008, NVMSRP member organizations continued to increase outreach efforts to scrap recycling facilities and vehicle recyclers by providing them with updated materials to aid in the identification and removal of mercury switches. NVMSRP is currently assessing the overall progress of mercury switch recovery programs in order to identify what additional actions may be needed to encourage further recycler participation and to improve switch capture rates. We look forward to an increase in the number of switches returned to ELVS for recycling in 2009.

If you have any questions or comments regarding this report, please contact me at [brelvs@yahoo.com](mailto:brelvs@yahoo.com) or 248-477-7357.

Sincerely,

A handwritten signature in black ink that reads "Brian H. Rippon". The signature is written in a cursive, slightly slanted style.

Brian Rippon  
End of Life Vehicle Solutions  
Project Manager