

US EPA ARCHIVE DOCUMENT

National Vehicle Mercury Switch Collection Program

Great Lakes Binational Toxic Strategy Mercury Workgroup Meeting

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December 12, 2007 – Chicago, IL

National Vehicle Mercury Switch Recovery Program (NVMSRP)

On August 18, 2006 the U.S. EPA, auto industry, steel industry, vehicle dismantlers, vehicle shredders, states, and the environmental community signed a shared responsibility agreement to collect and recycle mercury switches from end-of-life vehicles.



What is the difference between ELVS and the NVMSRP?

- The NVMSRP is a voluntary multi-stakeholder, shared responsibility mercury switch collection program.
- ELVS is a signatory to the NVMSRP and has primary responsibility for education, collection materials, transportation, recycling, and record keeping.
- ECOS, ISRI, ARA, EPA, Steel, and NGOs make up the remainder of the NVMSRP partners and all have defined roles and responsibilities.
- Some states also have legislated requirements for some signatories and in some cases these may be identical to the responsibilities under the NVMSRP

NVMSRP Statement of Principles

- Automakers provide educational material, collection containers, shipping, recycling of the switches, and tracking/reporting.
- Auto dismantlers remove the switches and submit them to the program for proper management.
- Steelmakers implement supply chain mechanisms to promote participation in the program.
- All parties endorse the program and encourage participation.
- The EPA considers the NVMSRP when developing area source regulation for Electric Arc Furnaces and assists with grants, communication, and evaluation.

NVMSRP Goals

- Aggressive mercury recovery goals and performance metrics have been established. Performance will be regularly assessed by the participants.
- Nationwide implementation was targeted to occur over 12 months. (completed ahead of Sept 2007 target)
- In each state the parties will work collaboratively on an implementation plan.
- The NVMSRP will sunset in 2017 based on estimates that 90% of the auto mercury switches will be retired.

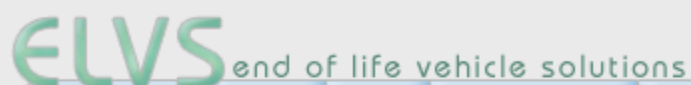
NVMSRP Incentive Fund

- \$4 Million early incentive reward of \$1 per switch for the first 3 years of program.
- No program costs are paid from this fund-only incentives
- Available to all states regardless of legislation unless have an existing cash incentive
- Payments began in Feb, 2007 – retroactive to 9/12/06 (592 checks written totaling \$528,000)
- Incentives considered income-requires W9 from dismantlers and 1099 reporting

How the Hg Collection Program Works

ELVS and other NVMSRP partners met with state (DEQ, DNR, EPA, etc.) and interested parties to discuss a “kick-off” plan

- State sends introductory/invitation letter and self-selection method for recyclers (postcard, email, phone).
- State is added to ELVS website
- Recycler contacts ELVS to join program and is added to database
- Task Completed in 3rd quarter 2007, ahead of schedule

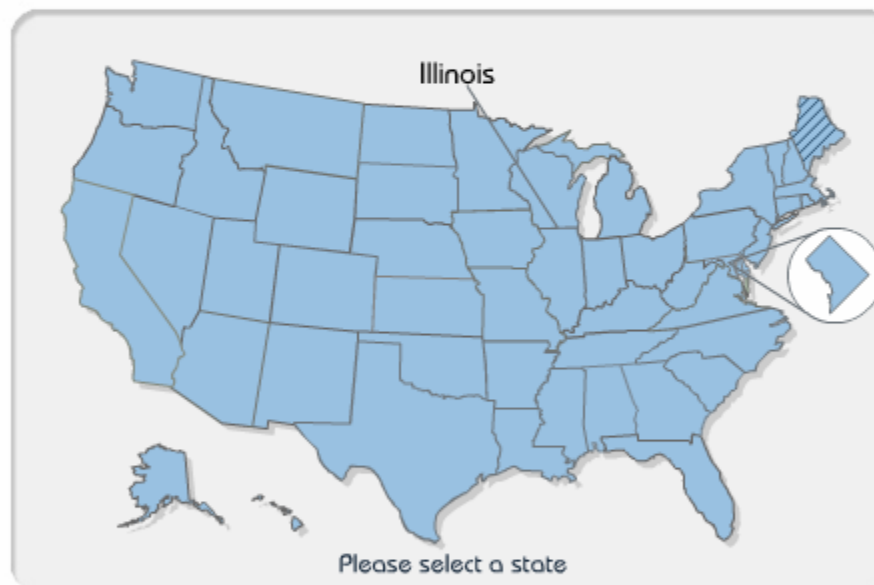
Over **1800 lbs.** of
Mercury Recovered ...[Solutions](#)[Home](#)[About](#)[Class 6-8 Trucks](#)[NVMSRP](#)[Educational Materials](#)[About EQ](#)[Contact Us](#)

End of Life Vehicle Solutions

**Welcome to the End of Life
Vehicle Solutions
Corporation's Web site.**

The End of Life Vehicle Solutions Corporation (ELVS) was created by the automotive industry to promote the industry's environmental efforts in recyclability, education and outreach, and the proper management of substances of concern.

Participating Members of
ELVS are:
BMW of North America, LLC
Chrysler LLC
Ford Motor Company
General Motors Corporation
International Truck & Engine
Mack Trucks, Inc.
Mitsubishi Motors North
America, Inc.
Nissan North America, Inc.

[News/Press Releases](#)[Mercury Collection Data](#)[2006 ELVS Annual Report](#)[View Program Participants by State
\(Once page opens, scroll to bottom\)](#)

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How the Hg Collection Program Works

- Collection buckets/educational materials sent out
- Dismantlers remove the switch(es) and/or assemblies and place them in the provided bucket.
- Just before a bucket is completely full, dismantlers contact EQ to receive a replacement bucket.
- Once a bucket is full, dismantler can contact UPS for a pickup –a prepaid UPS label will be sent with every bucket.

How the Hg Collection Program Works

- Filled buckets returned to EQ in Romulus, MI
- EQ will then dispose of the mercury through recycling/retorting. (Bethlehem, Mercury Waste Solutions-WI, Veoila-WI, AERC-PA)
- EQ also tracks participation and mercury collection progress –may take 12-18 months to see returns

How the Hg Collection Program Works



How the HgCollection Program Works



Program Results To Date

www.elvsolutions.org or www.eqonline.com


ELVS Mercury Switch Recovery Program Reporting: All Years | EQ - The Environmental Quality Comp - Microsoft Internet Explorer p

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Address <http://www.eqonline.com/services/ELVS-Mercury-Switch-Recovery-Program/annual-report.asp?year=all> Go Links

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ELVS MERCURY SWITCH RECOVERY PROGRAM REPORTING: ALL YEARS

Year	Number of Participants	Total Switches Recovered	Total Mercury Recovered
All	6,224	863,500	1,899.70 lbs
2007	6,224	622,143	1,368.71 lbs
Alabama	14	4,196	9.23 lbs
Alaska	5	0	0.00 lbs
Arizona	34	3,758	8.27 lbs
Arkansas	208	3,141	6.91 lbs
California	431	190,640	419.41 lbs
Colorado	53	3,685	8.11 lbs
Connecticut	29	6,696	14.73 lbs
Delaware	20	0	0.00 lbs
Florida	192	30,587	67.29 lbs
Georgia	63	8,064	17.74 lbs
Hawaii	15	31	0.07 lbs
Idaho	30	0	0.00 lbs
Illinois	375	14,445	31.78 lbs
Indiana	401	4,648	10.23 lbs
Iowa	366	7,619	16.76 lbs
Kansas	24	0	0.00 lbs
Kentucky	33	5,500	12.10 lbs
Louisiana	297	300	0.66 lbs
Maryland	55	414	0.91 lbs
Massachusetts	185	1,559	3.43 lbs

Done Internet



NATIONAL VEHICLE MERCURY SWITCH PROGRAM: PICK-N-PULL AUTO DISMANTLERS ROCKLIN #3

Pick-N-Pull Auto Dismantlers Rocklin #3

Mailing Address:
10850 Gold Center Dr. Suite 325
Rancho Cordova, CA 95670

Shipping Address:
6355 Pacific St
Rocklin, CA 95677

Phone: (916) 496-6768
Contact: Chris Orsolini
Parent Company: Pick-N-Pull Auto
Dismantlers
Switches Received?: Yes

Date Joined: 2/16/2007
Last Activity: 11/28/2007
Miscellaneous Switches Accepted: 0
ABS Switches Accepted: 0
Light Switches Accepted: 1,991
Total Switches Accepted: 1,991
Weight of Mercury Accepted: 4.38 lbs

History

Date Received	Miscellaneous Switches	ABS Switches	Light Switches	Total Switches	Weight of Mercury
11/28/2007	0	0	653	653	1.437 lbs
3/20/2007	0	0	471	471	1.036 lbs
3/20/2007	0	0	867	867	1.907 lbs

First Annual NVMSRP Meeting

- August 16, 2007 at USEPA Offices in Ann Arbor, MI
- Reviewed accomplishments to date
- Progress reports from each subcommittee
- Discussed opportunities for improvement
- Included a trip to EQ for a process review



First Year NVMSRP Accomplishments

- Program rolled out in 49 states and DC ahead of schedule represents 99.6% of US car park
- Established process for participants to enroll in program and developed a method to clearly identify individual participants in the NVMSRP
- Processed individual requests via postcards, phone, and email from over 3,572 of 6,244 recyclers and provided to EQ
- ELVS daily averages for the first year were:
 - ✓ 80 website visits
 - ✓ 25-30 phone calls
 - ✓ over 100 emails

NVMSRP Challenges

- Outreach continues to be at the “top of mind”
- Focus shifting toward states with low participation, return rates or returns below expected values
- EQ is receiving a lot of non-automotive mercury in the buckets

Non- Automotive Mercury



NVMSRP Improvements

Continuous Improvements is a key initiative

- Ongoing improvements to educational materials including “tracking participation” cards.
- Website enhancements including simplifying method to view the EQ Database
- Added 1 gallon buckets for smaller volumes or pellets only
- UPS shipping labels now included in every bucket
- We could always use a few more Indians and ...

Thanks for the opportunity to be here today!

Be sure to visit the following Websites:

- <http://www.epa.gov/mercury>
- www.elvsolutions.org
- www.eqonline.com