







**Missouri
Department of Natural
Resources**

Missouri Electronic-Scrap (E-scrap) Stakeholders Workgroup

**Michael Menneke
Compliance/Enforcement Section**

Stakeholder Workgroup

- Missouri State Government
 - Department of Natural Resources (DNR)
 - Office of Administration (OA)
 - Attorney General's Office (AGO)
 - National Organizations
 - Consumer Electronics Association
 - Institute of Scrap Recycling Industries (ISRI)
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Stakeholder Workgroup

- State universities and secondary public schools
 - Retail outlets
 - Wal-Mart
 - Manufacturers
 - Philips, Hewlett Packard, Dell
 - Local governments
 - Solid waste management districts
 - Demanufacturers
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Mission Statement

- To put in place a framework for reusing, refurbishing, and recycling E-scrap in Missouri in an economically sustainable fashion without threatening the environment.
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Definition of E-scrap

- Included in recycling:
 - computers
 - monitors
 - televisions
 - All other electronics included in education campaign
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Results

- Best Management Practices (BMPs)
 - Originally NOMESS (Newly Organized Missouri E-cycling Standards)
 - Now MOEST (Missouri E-cycling Standards)
 - General Operations
 - Inventory Control
 - Maximize Value, Minimize Risk
 - Responsible Export Practices
 - Transportation Practices
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Voluntary Tiered Registration

- Level 1: Registration and Environmental Assistance Visit
 - Level 2: Self Auditing and Certification
 - Level 3: Financial Assurance and/or Level I Missouri Environmental Management Partnership (MEMP)
 - Level 4: Resource Recovery Certification, Third Party Environmental Management System, or Level 2, 3, or 4 of MEMP
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Education

- Phase I

- Kansas City, St. Louis, Springfield, Columbia/Jefferson City

- Phase II

- Rural Missouri
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Future Goals

- Develop baseline recycling rate for each facility
 - Increase e-cycling rate for residents and businesses
 - Increase e-cycling infrastructure in Missouri
 - Increase number of demanufacturers listed on Web site
 - Prevent future problem sites
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Contact Information

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Stakeholders Web page:
<http://www.dnr.mo.gov/env/hwp/escrap/workgroup.htm>

Recyclers List Web page:
<http://www.dnr.mo.gov/env/swmp/rrr/computerlist.htm>
