



**EMS Initiatives
in the
State of Missouri**

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Missouri Environmental Management Partnership Program (MEMP)

- Missouri Department of Natural Resources program
- Voluntary; encourages improvement of environmental performance by developing and implementing an EMS
- Several levels of participation
- Upholds generally recognized EMS conformance criteria as benchmarks for participation in the program
- Offers recognition and cooperative programs

Missouri Environmental Management Partnership (MEMP)

- Internal working group formed by the Department of Natural Resources in 1998
- Missouri became a member of the Multi-State Work Group
- Workshop held to hear statewide viewpoints on EMS
- Convened multi-stakeholder EMS Advisory Group in 1999
- Advisory Group released a Report and Recommendations
- MDNR's EMS Steering Committee, with contract assistance of Forrester Group, implemented the Partnership

MEMP Levels of Participation

- Partner
- Certified Partner
- Advanced Partner
- Certified Advanced Partner

MEMP Partner Level

- Policy Statement
- Roles/Responsibilities
- Legal Requirements
- Record keeping & Reporting
- Environmental Impacts
- Objectives and Targets
- Training
- Emergency Response
- Assessment
- Corrective Action

MEMP Certified Partner

- Conformance with ten basic elements

PLUS

- Third party certification to ISO 14001

Advanced Partner

- Conformance with ten basic elements

PLUS

- Objectives more protective than regulatory standards
- Continual improvement resulting in source reduction
- Annual performance assessment
- Regular community involvement

MEMP Certified Advanced Partner

- Conformance with ten basic elements

PLUS

- Certified Partner requirements

AND

- Advanced Partner requirements

MEMP Incentives

- Recognition by MDNR
- EMS Gatekeeper
 - Staff person serves as the single point of contact for an organization for all issues related to its EMS
- Mitigation for Self-Reporting Violations
 - Resolving self-reported noncompliance through “Conference, Conciliation and Persuasion” without formal enforcement action
- Permitting Incentives
 - Expedited permitting; Reduction of permit requirements duplicated by the EMS; Flexibility in permitting new technology



St. Joseph Groundwater Treatment Plant

Former Plant “Great Flood of 1993”



What is an EMS and what can it do for us?

EMS Benefits

- Ensure compliance
- Risk reduction
- Waste reduction
- Cost savings
- Positive corporate image
- Increase environmental awareness
- Continual improvement

First Steps

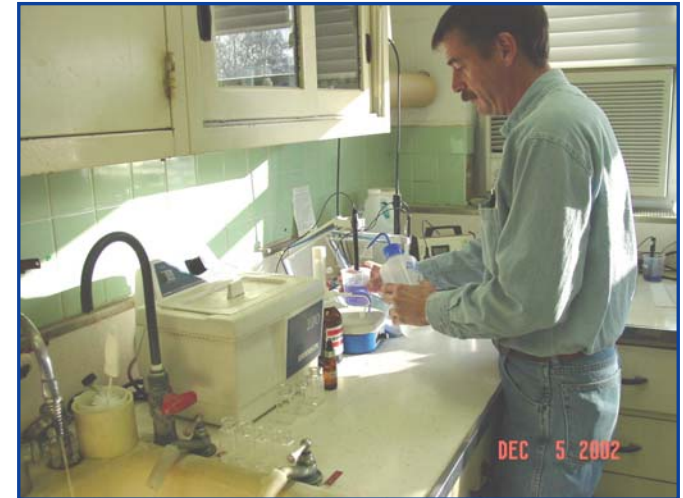
- Management Support
- Environmental Policy Statement
- Roles and Responsibilities
- Legal Requirements
- Recordkeeping and Reporting System

Evaluation of Aspects and Impacts



Establish Objectives and Targets

- Prevent noncompliance
- Prevent pollution
- Improve environmental performance



Emergency Preparedness and Response



Training

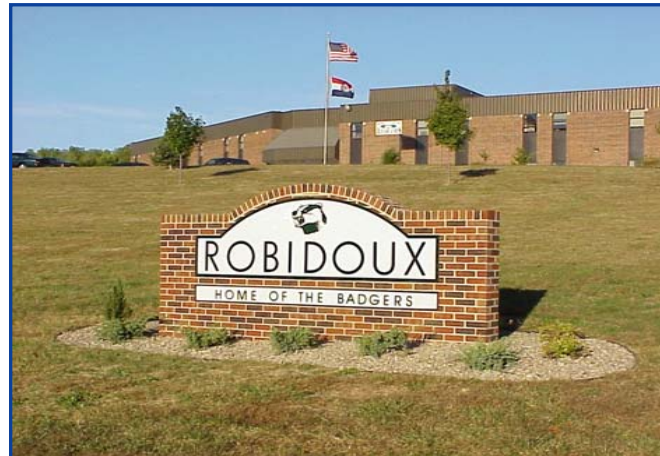


Assessment

Corrective Action



Community Involvement



MEMP Application Process

- Project initiated September 2002
- Submitted application May 2003
- EMS Gatekeeper assigned
- Detailed review of application/program/compliance history
- Recommendation to MDNR Steering Committee
- Application reviewed by each Department
- Approval recommendation forwarded to Director
- **Acceptance in Partnership February 2004**

EMS Benefits

- ✓ **Ensure compliance** – SOPs; training
- ✓ **Risk reduction** – e.g., change to bulk feed system
- ✓ **Waste reduction** – analytical methodology changes
- ✓ **Cost savings** – energy, waste disposal savings
- ✓ **Positive corporate image** – improved relationships
- ✓ **Increase environmental awareness** – employee involvement
- ✓ **Continual improvement** – ideas continue to be generated

Future Plans

- MDNR public reception to recognize Partnership
- Expand EMS implementation to all Missouri American plants
- Conduct regular assessments of EMS
- Potential third party certification



Thank you.

