

# ENVIRONMENTAL AFFAIRS DEPARTMENT



PRESENTED BY:  
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*Environmental Engineer*

# Environmental Compliance



- Clean Water Act
- Clean Air Act
- Solid Waste Disposal Act
- Resource Conservation and Recovery Act
- Toxic Substances Control Act
- Comprehensive Environmental Response, Compensation and Liability Act

# Waste Reduction



- Analyze processes that generate waste and implement waste reduction measures.
- Track waste stream volumes and set numeric goals for waste reduction.
- Train employees about waste reduction efforts.
- Benchmark to compare with industry standards.
- Incorporate waste volumes in our company scorecard to provide accountability.
- The state and federal regulatory agencies perform “surprise” inspections on MLGW facilities.

# Waste Reduction Efforts

## 2011 Recycling



- Paper and Plastic: 43,034 lbs
- Batteries & Lamps: 51,440 lbs
- Used Oil: 175,553 lbs

# Storm Water Pollution Prevention



- MLGW has 12 permitted industrial sites that are sampled and monitored annually for storm water pollution.
- All 12 NPDES sites are inspected by the state regulatory agency.
- MLGW day-to-day construction activities are covered under a countywide general construction storm water permit.
- If MLGW activities will disturb more than one acre on a single project, MLGW will obtain an individual construction storm water permit.
- Construction sites are regulated by the City of Memphis and by the state regulatory agency.

# Storm Water Pollution Prevention



- Apply and modify Best Management Practices (BMPs).
- Develop and implement Storm Water Pollution Prevention Plans (SWPPPs).
- Perform twice-weekly inspections at construction sites.

# Air Emissions



- MLGW has 26 minor source operating permits for air emission sources.
- All 26 sources are inspected annually by the local regulatory agency.
- MLGW has three major operations that are subject to the Greenhouse Gas inventory and reporting requirements.

# Underground Storage Tank Compliance



- MLGW has 28 Underground Storage Tank units for fuel that range from 5,000 gallons to 25,000 gallons in size.
- Tanks are monitored for leaks by automatic tank gauging units that detect losses from tanks and pipelines.
- Regulatory oversight is provided by the state regulatory agency.



# PCB Management



- MLGW sampled 38,732 overhead transformers for PCBs.
- Removed from service 1,194 overhead PCB-contaminated transformers which equates to 992,307 lbs of PCB transformers and 35,003 gallons of PCB transformer oil
- Removed from service 3,327 large PCB substation capacitors which equates to 230,329 lbs PCB capacitors and 2,454,815 lbs PCB-contaminated soil/debris.

# MLGW Environmental Affairs Team

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