

**Environmental Management System (EMS)  
Objectives and Targets - Annual Progress Report  
for  
Calendar Year 2008**



<b>Activity</b>	<b>Legal Requirement</b>	<b>Aspect</b>	<b>Objective</b>	<b>Target</b>	<b>Target Achieved</b>	<b>Details</b>
Ground Disturbances, ROW Maintenance, Competing Uses of Water	NEPA, NHPA, ARPA, NAGPRA, CWA, EPA, FWCA, Floodplain/Wetland Regs., Migratory Bird Treaty Act, Rivers & Harbors Act, State Regulations	Adverse Effects on the Environment	Ensure NEPA compliance by considering environmental consequences and reviews of all activities	100%	Yes	NEPA reviews were conducted on nine agency activities and projects
Oil Circuit Breaker Replacements	CERCLA, CAA, CWA, EPA, RCRA, SARA, TSCA	Pollution Prevention	All oil circuit breakers will be replaced with gas circuit breakers by 2016	Remove, dispose and recycle minimum two per year	Yes	Southwestern replaced a total of six oil circuit breakers:  Beaver Dam-1 Doniphan Substation-2 Carthage Substation-1 Neosho Substation-2
Transformer Oil Spill Control	CWA, TSCA, RCRA, CERCLA	Pollution Prevention	Provide appropriate containment and/or diversionary structures, or other environmental engineering controls to prevent an oil discharge into navigable waters	Alter minimum of one site per year	Yes	Spill diversion and containment improvements were conducted at the Table Rock Substation
Employee Awards Program	EO 13423	Pollution Prevention	Implement awards program or integrate with established awards program, per agency program schedule for Objectives and Targets established in EMS manual	Integrate into Quality Quarters Program by December 31, 2008	Yes	Thirteen Quality Quarter Awards were given for various environmental initiatives to various employees

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Electronic Assets	EO13423, DOE O 450.1A	Reduce or Eliminate the Environmental Impacts of Electronic Assets	1) Join the Federal Electronics Challenge (FEC)  2) Utilize EPEAT to evaluate environmentally preferable electronic products (computer related electronics)  3) Increase purchase of environmentally preferable office electronic products	1) Join FEC by May 1, 2007  2) 100%, Ongoing  3) 95% of electronics are EPEAT registered, by Dec. 31, 2015	1) Yes, but delayed  2) Yes  3) In progress	1) The FEC application was submitted December 19, 2007  2) All computer related electronics are evaluated according to EPEAT rating  3) The agency has electronic/computer components that meet the EPEAT criteria:  300 LCD monitors = 100% compliant  100 Laptops = 100% compliant  50 Desktops = 20% compliant  Total compliance = 73.3%.

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Green Purchasing	EO 13423; DOE and FAR, DEAR.	Conservation of Natural Resources; Energy Efficiency	<p>1) Purchase printing and writing paper containing 30% post consumer fiber</p> <p>2) Agreements, permits, leases, licenses, or other legally-binding obligations should require tenant or concessionaire to take actions facilitating agency's compliance with E.O 13423. Requirements are added to the extent the head of the agency determines appropriate facilitating Southwestern's compliance with E.O. requirements</p>	<p>1) 100%, Ongoing</p> <p>2) 100% of obligations entered into beginning January 24, 2007</p>	<p>1) Yes</p> <p>2) Not Applicable</p>	<p>1) All printing paper purchased contained at least 30% post consumer fiber</p> <p>2) Southwestern does not currently have tenants or concessionaires to whom these requirements would apply</p>

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Management of Toxic and Hazardous Chemicals and Materials	EO 13423, RCRA, TSCA, CAA, CWA	Pollution Prevention	<p>1) Develop written toxics and hazardous chemicals and materials reduction plan</p> <p>2) Improve management of Ozone depleting substances (ODS) use, recovery, and recycling. Use alternatives to ODSs as approved by the EPA SNAP program; revise personal property management policies; and implementation of program to transfer ODSs to the DoD reserve</p>	<p>1) January 24, 2008</p> <p>2) Implement SF6 usage tracking system by December 31, 2009</p>	<p>1) Yes</p> <p>2) In progress</p>	<p>1) A written toxics and hazardous chemicals and reduction plan is already incorporated into the Environmental Protection Program directive within the Waste Minimization section</p> <p>2) An SF6 tracking system is being created within the Cascade maintenance tracking system</p>

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Waste Diversion/Recycling	EO 13423, RCRA, LDR	Pollution Prevention	Establish waste diversion goal if one not previously established under E.O. 13101. Reduce solid waste sent to landfills or incineration. Reduce or eliminate product purchases (waste prevention) and increase recycling, donation, reuse and repair. Maintain waste prevention and recycling programs at facilities, including leased facilities, in cost-effective manner	Recycle end-of-life communication towers contaminated with heavy metal paint (concentrations above the RCRA hazardous waste determination limits.) Minimum 1 tower per year until all applicable towers are disposed	No	Funding for identified project towers was retracted in late 2008. Project will resume in 2009