








**Data Table 2-1 FY10 SRS EMS Goals**

Environmental Aspect	EMS Goal/Objective	EMS Target(s)	Action/Deliverable	"Stoplight" Indicator	Status
Energy Efficiency and Greenhouse Gases	Reduce building energy intensity (BTU/GSF) by 3% annually or by 30% by the end of FY15	Reduce site energy intensity by 3% in FY10, excluding new buildings	<p>Continue biomass Energy Savings Performance Contract (ESPC) project construction</p> <p>Develop High Performance Sustainable Building (HPSB) plans for 15% of existing facilities</p> <p>Pursue increased use of facility setbacks</p> <p>NOTE: American Reinvestment &amp; Recovery Act (ARRA) activities may negatively impact goals related to this aspect.</p>		<p>Site energy intensity increased slightly in FY10 versus FY09 (3.3%). This is due primarily to major weather impacts, increased ARRA work/staffing, and across-the-board increases in production/mission energy use. In spite of the 3.3% FY10 increase, the site is ahead of the overall energy intensity reduction goal of a 30% reduction during the period FY03 to FY15. A summary report detailing how to comply with HPSB requirements in existing buildings was issued to DOE-SR in September 2010. Construction on three new biomass facilities proceeded well in 2010.</p>
Renewable Energy (Power)	Purchase 3% of facility electrical energy from renewable sources, 50% of which must have been placed into service after 1/1/1999	No numerical target for FY10	<p>Continue ESPC project construction on large Biomass Cogeneration Facility near F Area</p> <p>Continue ESPC project construction on K Area and L Area biomass boilers</p>		<p>Construction of the new Biomass Cogeneration Facility remained on schedule. Construction of the K Area and L Area biomass boilers remained on schedule.</p>
Water Conservation	Reduce water consumption by 2% annually or by 16% by the end of FY15	2% potable water decrease in FY10 versus FY07 baseline	<p>Complete tie-in of C Area-to-K Area domestic water supply and shutdown of K Area deep wells.</p> <p>NOTE: ARRA activities may negatively impact goals related to this aspect.</p>		<p>The C Area-to-K Area domestic water supply line project was completed in February 2010. K Area well pumping was terminated as planned. As a result, site combined domestic and process water use was reduced by 11% versus FY 2009. This reduction would have been greater if not for associated ARRA/stimulus impacts.</p>

**Data Table 2-1 FY10 SRS EMS Goals (cont.)**

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Pollution Prevention	Reduce the use of hazardous materials and toxic chemicals	1) Reduce generated waste volume—low-level waste (LLW), hazardous waste (HW), low-level mixed waste (LLMW), and transuranic (TRU) waste—by 507 cubic meters, which equates to 10% of FY09 waste forecast 2) Achieve a minimum 35% recycle rate for routine sanitary waste 3) Continue SRS Chemical Management Center activities to reduce chemical wastes	Waste volume avoidance will be documented and approved using SRS PPAF, as validated by DOE-SR.		1) In FY10, SRS avoided generating 838 cubic meters of radioactive and hazardous waste, exceeding the FY10 goal by 110%. Twenty-three (23) projects contributed to the avoidance efforts, resulting in a cost avoidance of \$1.5 million. 2) The FY10 routine sanitary waste recycle rate was 38.8%. 3) The Chemical Management Center redistributed 84,773 pounds of excess chemicals in FY10, avoiding \$1.2 million in waste and acquisition costs.
Sustainable Building Standards	Construct or renovate buildings in accordance with sustainability strategies; Incorporate sustainable practices in 15% of existing federal capital asset building inventory by 2015	No numerical target for FY10	Develop HPSB plans for 15% of existing facilities Ensure that SRS Ten-Year Site Plan addresses 15% of existing site building inventory		A 62-page summary report detailing how to comply with HPSB requirements in existing buildings was issued to DOE-SR in September 2010. The SRS Ten-Year Site Plan included an overview of HPSB efforts.

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Petroleum Conservation / Fleet Management	Reduce consumption of petroleum products by 2% annually through FY15	2% decrease in FY10	Continue sole utilization of E85 in General Services Administration (GSA) fleet vehicles and expand use of E85 vehicles  NOTE: ARRA activities may negatively impact goals related to this aspect.		SRS petroleum consumption increased by nearly 21% (combined gasoline and diesel) in FY10 versus FY09—due primarily to an increase in ARRA/stimulus staffing and scope. In addition, DOE-HQ mandated use of approximately 60 hybrid gasoline vehicles at SRS, which also negatively impacted this metric. Hybrids cannot use blended E85 fuel; rather, they require unblended gasoline. However, the site is on track to meet the overall goal, having realized a 10% petroleum reduction through FY10 when compared to the FY05 baseline year.
Alternative Fuel Use	Increase fleet nonpetroleum-based fuel consumption by 10% annually	No numerical target for FY10 SRS limited by alternative fuel vehicle types from GSA Site well ahead of curve in utilization of alternative fuel	N/A		During the past 10 years, SRS has increased use of E85 fuel by 350%, far exceeding the end-state goal of a 10% annual increase.