

Affected Environment Data Request for the SPD SEIS

Requested Information	SRS	Area within the SRS			
		K-Area (KAMS and Immobilization Facility)	H-Area (H- Canyon)	F-Area (MOX FFF)	S-Area (DWPF)
General					
Has SRS engaged in discussions with and local, state, or federal agencies regarding consultations on any of the proposed facilities or facility locations since 2007	To be determined	NA	NA	NA	NA
Latest GIS shape file for the entire site showing the locations of the facilities within each area, and the distances to the site boundary and any publicly accessible onsite areas.	See folder: GIS Files Contact: Tracy Rea	NA	NA	NA	NA
Any updates to the SRS GIS database concerning site infrastructure, boundaries, sensitive species, wetlands, or other environmental issues	See folder: GIS Files Contact: Tracy Rea	NA	NA	NA	NA
Land Use					
Most recent land use or site development plan if updated since 2007	Since 2007, no update to land use / site development plan. Contact: Keith Dyer	NA	NA	NA	NA
Water Resources					
Latest results of sample analyses reported to SCDHEC for past 12 month period.	Surface water- See folder: Last 12 months sample analyses reported to DHEC-NPDES Contact: Monte Steedley Groundwater- See folder: Last 12 months sample analyses reported to SCDHEC - Groundwater Contact: Dan Wells and Winston Moore				
Water consumption for latest 12 month period available (see attached Table 3-1 that shows information from 2007).	See folder: Tables 3-1, 3-2, 3-3. Source: Site Infrastructure PQCD Report D7257000 FY09 See folder: Tables 3-1, 3-2, and 3-3 Source Data. Contact: Tad Dickinson				
Any change in permit conditions since 2007	Conditions for NPDES Industrial Stormwater permit have not changed since 2007, but could change with the issuance of a new permit by SCDHEC. Contact: Vernon Osteen				

Requested Information	SRS	Area within the SRS			
		K-Area (KAMS and Immobilization Facility)	H-Area (H- Canyon)	F-Area (MOX FFF)	S-Area (DWPF)
Air Quality and Noise update					
Any new reports on meteorology at SRS since 2007.	See folder: new meteorology reports since 2007 Contact: Chuck Hunter	NA	NA	NA	NA
Most recent available data for ambient air quality measured at closest monitoring station (if there is data other than that available from the EPA AIRS Data web site), including: <ul style="list-style-type: none"> - carbon monoxide (CO) - nitrogen dioxide (NO₂) - sulfur dioxide (SO₂) - ozone (O₃) - particulate matter (PM₁₀) (PM_{2.5}) - total suspended particulate (TSP) - hazardous air pollutants (HAPs) and toxic air pollutants (TAPs), as appropriate 	See folder: Offsite Ambient Air Quality Information found at SCDHEC website Ambient Air Quality Data Summary for 2007 http://www.scdhec.gov/environment/baq/AmbientAirMonitoring/ambient_air_data.asp See data for Jackson Middle School. At same website, also click on Ozone Daily Maxima for 2009 to access Excel spreadsheet for pertinent data from Jackson Middle School sampling location. Data in multiple folders. Contact: Kim Wolfe	NA	NA	NA	NA
Report of the most recent dispersion modeling conducted for SRS for demonstrating compliance with ambient standards, including the emissions inventory used.	The most recent air dispersion modeling was conducted in 2003. New modeling currently being conducted to support the SRS Title V Air Permit renewal. The new modeling results are anticipated to be available in approximately one month. Contact: Kim Wolfe	NA	NA	NA	NA
Copies of current air quality permit(s) for the site	See folder: Current Air Quality Permits Contact MOX for their air quality permit, as it is separate from those in the folder. Contacts: Kim Wolfe and Greta Fanning				
Most recent information on employee busing, car pool, and ride share programs, including an estimate of the percentage of employees who participate in these programs.	See folder: Air Quality and Car Pooling. Source: Data collected at SRS from observations at the Jackson and New Ellenton barricades. Contact: Kim Wolfe and Reggie Robinson	NA	NA	NA	NA

Requested Information	SRS	Area within the SRS			
		K-Area (KAMS and Immobilization Facility)	H-Area (H- Canyon)	F-Area (MOX FFF)	S-Area (DWPF)
Any recent ambient noise monitoring data for the facilities, if available	Data not collected on SRS for ambient noise monitoring. Contact: Brent Blunt				
Ecological Resources					
Provide any new materials or updates. For example information that may be included in the upcoming ASER and/or any update to ecological reports such as the 2006 SRS Ecology Document produced by WSRC	No new material nor updates. Contact: Keith Dyer	NA	NA	NA	NA
Human Health – Normal Operations					
Any epidemiological studies performed for the general public or workers at SRS since 2007.	<p>Since 1991, NIOSH has performed or contracted for all the epidemiological studies of DOE site workers that were formerly performed by DOE contractor staff. While NIOSH has performed or contracted for several studies that included SRS workers in the past, we are not aware of any NIOSH studies completed or started since 2007 that involve SRS workers.</p> <p>There was a recent paper published in the <i>Journal of Industrial Medicine</i> entitled "Mortality of Older Construction and Craft Workers Employed at Department of Energy (DOE) Nuclear Sites," September, 2010. The journal article was authored by Knut Ringen, of the Center for Construction Research and Training. Former SRS construction workers are included in the study. Data for the study was derived from the Building Trades National Medical Screening Program for former construction workers at DOE sites. There is a similar program for former operations workers at DOE sites. The web site for these DOE sponsored health screening programs is http://www.hss.energy.gov/HealthSafety/FWSP/formerworkermed/</p> <p>Recently, the NRC announced they would be pursuing the update of a NCI study of cancer mortality in populations in the vicinity of U. S. nuclear reactors that included mortality data through 1984.</p>	NA	NA	NA	NA

Requested Information	SRS	Area within the SRS			
		K-Area (KAMS and Immobilization Facility)	H-Area (H- Canyon)	F-Area (MOX FFF)	S-Area (DWPF)
	To date, no information is available about what agency would be tasked to perform the study. Source: Ken Crace.				
Site worker occupational injury and illness rates for the most recent 5 years.	See folder: Occupational Injury and Illness Rates. Contact: Ken Crace.				
Site worker radiological exposure data for the most recent 5 years. Please provide data in terms of annual average worker dose (mrem) and annual total worker dose (person-rem)	See folder: Site Worker Radiological Exposure Data Source: Ken Crace.				
Annual external dose rates (millirem) near the center of SRS and at the Highway 301 offsite control location for the most recent 5 years that the data have been collected	See folder: Annual External Dose Rates Source: Savannah River Site Environmental Report for 2008, SRNS-STI-2009-00190.	NA	NA	NA	NA
Annual average concentrations (picocuries per cubic meter) of gross alpha and plutonium-239 near the center of SRS and at the Highway 301 offsite control location for the most recent 5 years that the data have been collected.	See folder: Gross Alpha and Pu-239 Source: Savannah River Site Environmental Report for 2008, SRNS-STI-2009-00190.	NA	NA	NA	NA
Information on inadvertent releases of radionuclides. We have data on releases in 1992-1993. For any inadvertent releases since then, provide date, amount of the release (by isotope and curies), and a brief description/explanation. If doses to a hypothetical individual at the site boundary were calculated for the releases, please provide this information also.	See folder: Inadvertent Release of Radionuclides Source: Savannah River Site Environmental Report for 2008, SRNS-STI-2009-00190.	NA	NA	NA	NA

Requested Information	SRS	Area within the SRS			
		K-Area (KAMS and Immobilization Facility)	H-Area (H- Canyon)	F-Area (MOX FFF)	S-Area (DWPF)
Human Health – Accidents					
Have there been any accidents since 2007 related to the conduct of activities at SRS similar to those that will be analyzed in this EIS, or at any of the proposed facilities? If so, please describe. Were there any resulting health effects?	<p>The only accident at SRS since 2007 related to the conduct of activities at SRS similar to those that will be analyzed in this EIS is a plutonium puncture wound on June 14, 2010 in F-Canyon. A worker received a puncture wound that was contaminated with plutonium during a glovebox operation to assay retrieved waste drums for hazardous materials prior to repackaging for shipment to WIPP. The worker did receive a puncture wound and had tissue excised following the accident, did receive internal plutonium dose, and has been undergoing chelation therapy. There are no anticipated ill health effects. It did result in a Class B DOE Investigation, which is ongoing.</p> <p>Source: Ken Crace</p>				
Latest 5 years of sequential hourly meteorological data (wind speed, direction, stability class, and precipitation)	<p>See folder: last 5 years hourly meteorological data</p> <p>Contact: Chuck Hunter</p>	NA	NA	NA	NA
Cultural Resources					
Any additional archeological surveys that have taken place or updates that have been made to any reports since 2007	<p>See folder: Cultural Resources</p> <p>Sources:</p> <p>Annual Review Of Cultural Resource Investigations By The Savannah River Archaeological Research Program, Fiscal year 2007.</p> <p>Annual Review Of Cultural Resource Investigations By The Savannah River Archaeological Research Program, Fiscal year 2008.</p> <p>Annual Review Of Cultural Resource Investigations By The Savannah River Archaeological Research Program, Fiscal year 2009.</p>				

Requested Information	SRS	Area within the SRS			
		K-Area (KAMS and Immobilization Facility)	H-Area (H- Canyon)	F-Area (MOX FFF)	S-Area (DWPF)
	Contact: George Wingard, Savannah River Archaeological Research Program.				
Socioeconomics					
Current site employment and projections for 2010 through 2020.	<p>The current SRNS site employment is 6,373, according to a spreadsheet provided by Walter Wilson.</p> <p>See attached folder: SRNS employment</p> <p>By subtracting the SRNS employment above from the SRS employment found in the employee residence spreadsheet (next item down), the SRR employment can be mathematically derived: $8,730 - 6,373 = 2,357$ SRR employees.</p> <p>SRNS employment projections through 2020 are not available. In general, employment is expected to decrease over time as the site work scope decreases. However, future employment is contingent on future opportunities and funding.</p> <p>See folder: SRS 2010 Strategic Plan (page 14)</p>				
Please provide a break down of where SRS employees reside (number of employees per county for Aiken, Barnwell, Columbia, and Richmond counties at a minimum) for the latest year available.	<p>See folder: SRNS and SRR employee residence by county and state.</p> <p>Contact: Karen Turner</p>	NA	NA	NA	NA
Infrastructure					
Please provide information needed to update values in attached Tables 3-2 & 3-3	<p>See folder: Tables 3-1, 3-2, 3-3</p> <p>Source: Site Infrastructure PQCD Report D7257000 FY09</p> <p>Contact: Tad Dickinson</p>				
Waste Management					
Number of HLW canisters that have been processed by DWPF and in storage, current processing rate (canisters per year).	A total of 166 canisters have been poured in FY10. DWPF has filled a total of 2,961 canisters, and 2,951 canisters have been placed in the Glass Waste Storage Buildings. Source: Savannah River Operations Office, Weekly Report, 8/5/10.	NA	NA	NA	NA

Requested Information	SRS	Area within the SRS			
		K-Area (KAMS and Immobilization Facility)	H-Area (H- Canyon)	F-Area (MOX FFF)	S-Area (DWPF)
Has all drummed TRU waste been sent to WIPP? Originally scheduled for completion by 2010. Is non-drummed TRU waste still scheduled to be sent to WIPP by 2015?	All drummed TRU waste has not been sent to WIPP. ARRA funding is currently being used to process drummed TRU waste to allow it to be shipped to WIPP. This activity will continue until the end of ARRA funding, scheduled to cease in September 2011. However, drummed TRU waste will continue to be shipped to WIPP for several years after September 2011. Non-drummed waste is also being processed/repackaged with the additional funds. The majority of this waste should be shipped to WIPP by 2015. Contact: Joe Price	NA	NA	NA	NA
Information on sludge tanks, where Pu processing waste from H-Canyon would be sent. Include current status of tanks (capacity, how currently used) and any future plans.	Usable Type III tank space generally increases, from a range of 4 to 6 million gallons in 2010, up to 10 to 12 million gallons in 2022, as the waste is removed and treated. Capacity begins to decline in 2022 as the Type III tanks are closed, with all closed by 2030. Source: Savannah River Remediation Liquid Waste System Plan, Rev. 15, January 2010. Appendix G. SRR-LWP-2009-00001.	NA	NA	NA	NA
Location of most commonly used hazardous waste treatment/disposal facilities	The treatment/disposal facilities most commonly used are: Clean Harbors Deer Park, L.P., 2027 Independence Parkway South, La Porte, TX 77571 Clean Harbors Lone Mountain, LLC, Route 2 Box 170, Waynoka, OK 73860 Clean Harbors Aragonite LLC, 11600 North Aptus Road, Grantsville, UT 84029 Clean Harbors El Dorado Facility, 309 American Circle, El Dorado, AR 71730 Clean Harbors La Porte, L.P., 500 Independence Parkway South, La Porte, TX 77571				

Requested Information	SRS	Area within the SRS			
		K-Area (KAMS and Immobilization Facility)	H-Area (H- Canyon)	F-Area (MOX FFF)	S-Area (DWPF)
	Note: This list only addresses the hazardous waste as requested, not mixed waste. Source: Ed Schuler				
Is actual processing rate of F/H ETF still 20 million gallons per year?	ETF has the capacity to handle 20 MGD. To date in FY10, has only processed approx. 8 MGD, as dictated by available feedstock. Source: Skip Wiggins and David Martin				
Provide information regarding waste generation forecasts for the next 10 years for the waste types (m ³ /yr or ft ³ /yr) provided in attached Table 3-4	See folder: Waste Forecasts. Tables compiled by John Harley and Jim Fudge using the SRS Solid Waste integrated Forecasting Tool (SWiFT).				
Provide information to update attached Tables 3-5 to 3-7.	To be determined. Being addressed by various people.				
Information on other waste management issues/limitations, agreements, permits, etc. that have changed since 2007	To be determined. Being addressed by various people.				