
APPENDIX 4

REV. 3

G-FSP-G-00004

**Functional Service Agreement Between
Savannah River Nuclear Solutions LLC
and
Savannah River Remediation LLC
for
Utilities**

October 1, 2012

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1.0 INTRODUCTION

This Functional Service Agreement, appendix 4 of Memorandum of Agreement (G-MOA-G-00002 describes the service exchange between the Savannah River Site (SRS) Site Maintenance and Operations (M&O) contractor, Savannah River Nuclear Solutions LLC (SRNS) and Savannah River Remediation LLC (SRR).

This appendix describes the Utilities base load work to be provided. Included as part of base load activities may be programmatic responsibilities for the Site, as well as, certain tasks related to ensuring/interpreting program effectiveness and activities considered to be part of Site Landlord and Site Services. Task-related activities outside of the agreed upon services documented in this FSA will be documented as part of the Service Level Agreements (SLAs) OSR 3-214.

The parties agree to review this FSA at least annually and revise it if changes are needed as determined by both parties.

2.0 POLICIES, PROCEDURES, AND MANUALS

The following policies, procedures, and manuals will be maintained for the site by SRNS and will apply when services are provided:

The following SRNS procedures and policies apply when services are provided:

Manual Number	Manual Title	Applicable Sections	Manual Number	Manual Title	Applicable Sections
WSRC TM-90- 7	SRS Hoisting & Rigging Manual	All			
1Y	Conduct Maintenance Manual of	All			

2Q	Fire Protection Manual	All			
8Q	Employee Safety Manual	All			
4Q	Industrial Hygiene Manual	All			
5Q	Radiological Control Manual	All			
19Q	Transportation Safety Manual	All			
1D	Site Infrastructure and Services Manual	All			
2S AIM	Conduct of Operations, Alternate Implementation Method	All			

3.0 CODES AND STANDARDS

- ASME B31.3 (Process Piping)
- ASME B31.1 (Power Piping)
- ASME B31.9 (Building Services Piping)
- AWWA C Series: C200, C300, C600, C800, C900, Manual M11, Manual M23 (Domestic Water)
- AWWA D-100 (Water Storage Tanks)
- AWWA E-101 (Portable Water Pumps)
- ASME B73 (Process Pumps)
- API_620 (Storage Tanks)
- Various NFPA Codes: NFPA_13, 15, 20, 22, 24, 25, 30, 70, 72 (Fire Protection)
- NFPA 214 (Cooling Towers)
- ASCE Manual # 60 (Sanitary Waste)
- ASME BPV (Section VIII, Boiler and Pressure Vessel Code; Section I, Power Boilers; Section IV, Heating Boilers)
- SRS Engineering Standards 01060, 01110 15061, 15250
- S/RID (WSRC-RP- 94-1268-012), Functional Area FA-07
- DOE Order 420.1B, Facility Safety
- DOE-STD-1189-2008, Integration of Safety into the Design Process
- 10 CFR 851, Worker Safety and Health Program
- 29 CFR 1910.179-184 & 29 CFR 1926.550-554
- Department of Transportation (DOT)
- Federal Motor Carrier Safety Regulations (FMCSR)
- ANSI Codes and Requirements

4.0

UTILITIES SERVICES

4.1 General

Proper maintenance of utilities systems includes maintenance outages. SRNS will work with Savannah River Remediation (SRR) to negotiate the scope and time line for required outages, including an annual steam system outage (full system outage).

Any planned operational evolution that will (or possibly could) affect availability of utility services will be preceded by notification to and authorization from the impacted SRR facility. The notice shall be made at least 24 hours in advance of the activity. All communications, including outage planning, must go through the appropriate personnel. See the SRNS website for Points of Contact (POC). Notification to the affected SRR

Shift Manager is required before any inspections are conducted or any work is performed by SRNS within SRR. Copies of work documents must be provided to the control room for reference before the work is to begin.

In order to avoid costly site peak electrical demand charges from South Carolina Electric and Gas (SCE&G), the Defense Waste Processing Facility (DWPF) 292-S Diesel Generators may be needed to generate electricity. This need would be triggered by a reduction in available electrical generation from the 484-D Powerhouse. Expenses incurred by SRR in providing emergency generation will be charged to the electrical pool and distributed to electrical customers. This scope, providing emergency generation by SRR, will be covered by an SLA.

SRNS will have and provide sufficient system capacity. All mechanical/electrical additions planned by SRR will follow current Power Service or Utilization Permit (PSUP) requirements. The PSUP grants permission to add or remove water, sewage, steam and electrical users to existing systems. PSUPs are used by SRNS to maintain a record of existing and future loads of plant systems that require the use of SRNS provided utilities. Based on data obtained from approved PSUPs, projects can be planned and implemented to upgrade, replace and/or add equipment for those systems that have reached or are approaching their maximum capacity. PSUPs also ensure that protective devices for SRS medium and high voltage electrical systems, 13.8kV and higher, as well as the first transformer secondary devices, are properly applied, coordinated, and documented.

4.2 Service Measurement & Charging

The utility services budget is developed based on forecasted service requirements for each commodity (steam, electricity, domestic water, process well/service water, deionized water, river water, fire suppression water and sanitary waste treatment). Based on the total forecasted consumption, the annual cost to provide that service is developed and a unit rate is calculated. The unit rate is then used to develop the customer's fiscal year cost based on the forecasted consumption. Each month the cost and consumption profile for the fiscal year are updated to ensure the service pool cost will be cleared at year end. (This same concept is used to clear an organization's overhead pool). The standard rates will be adjusted to actual cost at least annually. Emergent events (such as a D-Area Boiler tube failure) can result in unforecasted cost, including a purchased power demand penalty (rate ratchet). When this happens, the cost of providing service will increase and service consumers will be billed commensurate with their consumption.

Utility services are provided on demand and are charged based on usage for most systems, or system capability for fire suppression water system service. Consumption is

measured mid-month to mid-month. Service measurement for utility services includes the following:

- **Electricity:** Charging is accomplished by one of two methods, Metered or Allocated Consumption
 - **Metered:** Direct electrical consumption is measured at identified meter points.
 - **Allocated Consumption:** SRR is allocated a portion of the unmetered electrical consumption within the area electrical distribution system (H Area and F Area) to account for the SRR share of the unmetered electrical consumption.
- **Domestic Water:** Metered consumption is used to set the budget quantity. Domestic water production and area/facility consumption are measured in the last quarter of the year to establish the budget consumption quantities for the next fiscal year. The area consumption is then split between facilities based on population.
- **Sanitary Waste Treatment:** Domestic water consumption is billed as the billing quantity for sanitary waste treatment.
- **Steam:** Charging is accomplished by one of two methods, Metered or Allocated Consumption
 - **Metered:** Direct steam consumption is measured via a steam meter at identified meter points.
 - **Allocated Consumption:** SRR is allocated a portion of the unmetered steam consumption within the area steam distribution system (H Area and F Area) to account for the SRR share of the unmetered steam consumption.
- **Fire Suppression Water System:** Fire Suppression Water Service Pool Costs are cleared monthly. Cost is allocated to each program based on the percent of the site system dedicated to each program. System components (hydrants, post-indicator valves and curb box valves) are used to determine the split.
- **Process Well/Service Water:** Flow requirements were determined by engineering evaluation. The calculated flow requirements are used to determine the billing consumption quantity for SRS facilities.

4.3 Utility Systems

SRNS Utilities and Operating Services (U&OS) is responsible for planning, organizing, and evaluating the safe and reliable operation of the SRS utilities systems and for providing oversight to manage performance, manpower resource budgets, and reporting activities within approved budgets. U&OS is also responsible for providing utility services to SRS buildings, facilities, and programs in support of the Site's missions and in compliance with appropriate regulations and standards. The work scope includes operations and maintenance of the SRS electrical transmission and distributions systems, water supply and distribution systems, steam generation and distribution systems, and sanitary waste collection and treatment systems. SRNS U&OS will also act as a technical agency to assist on technical matters dealing with any of the utility services operated by SRR.

Electrical System: SRNS will own, operate, and maintain the 13.8-kV electrical systems and 13.8-kV transformers up to the SRS facility electrical system boundary as detailed in Section 5.0 of this document. SRR will own, operate, and maintain all equipment, transformers, and breakers/disconnects within the SRR facility electrical system boundary as specifically detailed in Section 5.0 of this document.

Note: Electrical meter ownership is determined by the location of the meter. A meter located downstream of the boundary point established in this document is owned by SRR. SRNS will read the meter monthly and will calibrate the meter as needed.

Domestic Water Supply: SRNS is responsible for the treatment, storage, and distribution of domestic water to all facilities up to the facility domestic system boundary point as specifically detailed in Section 5.0 of this document. SRNS will continue to provide bacteriological sampling and other assistance as requested for domestic water system sterilization within the SRR portion of the system. SRR is responsible for the domestic water system downstream of the facility domestic system boundary point as detailed in Section 5.0 of this document. SRR will own, maintain, and service all backflow prevention devices in their portion of the system. SRR will supply SRNS with information required for the Site Backflow Preventer Database.

Note: Water meter ownership is determined by the location of the meter. A meter located downstream of the boundary point established in this document is owned by SRR. SRNS will read the meter monthly and will calibrate the meter when needed.

Sanitary Waste Water Collection and Treatment: SRNS will own, operate, and maintain all equipment, alarms, and associated equipment downstream of the facility sanitary waste collection system boundary point as detailed in Section 5.0 of this document. SRR will be responsible for all sanitary wastewater collection within all SRR

buildings up to the facility sanitary waste collection system boundary point as detailed in Section 5.0 of this document.

Waste Acceptance Criteria Statement: In the event the waste streams are negatively impacted by SRR, each party will follow the criteria for treatment of non-routinely generated (scavenger) wastewater. (Manual 3Q, *Environmental Compliance Manual*, ECM 2.18, "Treatment of Non-Routinely Generated (Scavenger) Wastewater.")

SRR will introduce "clean water" (minor metal content), re-directed from the S-04 Outfall, into the sanitary waste collection and treatment facility at the S-Area Lift Station (607-S). The re-directed water will meet the following requirements:

- Maximum flow rate: 26,000 gallons per day (gpd)
- Maximum copper concentration: 2,350 parts per billion (ppb)
- Maximum lead concentration: 50 ppb
- Maximum zinc concentration: 1,000 ppb
- Maximum nickel concentration: 100 ppb
- pH range: 6.0 - 9.0

Steam Service: SRNS will own, maintain, and operate steam systems up to the SRR facility steam system boundary point as detailed in Section 5.0 of this document. SRR will own, maintain, and operate the steam systems downstream of the SRNS steam system boundary point as detailed in Section 5.0 of this document.

Note: Steam meter ownership is established by the location of the meter. A meter located downstream of the boundary point established in this document is owned by SRR. SRNS will read the meter monthly and will calibrate the meter when needed.

Fire Suppression Water Supply: SRNS is responsible for the F Area and H Area firewater pumping, storage, and supply systems that provide firewater capability to SRR facilities, up to the SRR facility firewater system boundary point as detailed in Section 5.0 of this document. SRNS is responsible for testing, inspecting, and maintaining underground firewater piping, fire hydrants, post-indicator valves and curb-box valves. SRR is responsible for the facility side of the firewater supply boundary component as detailed in Section 5.0.

Process Well/Service Water Supply: SRNS is responsible for operation and maintenance of the service well water supply system to the boundary valve supplying

service well water to the SRR facility as detailed in Section 5.0 of this document. SRR is responsible for the facility side of the service well water boundary valve as detailed in Section 5.0.

4.4 Central Site Facilities Utilities

Chilled Water Supplies A and B: SRNS-U&OS is responsible for operations and maintenance of the chilled water systems in A and B Areas. This includes planning, organizing, and evaluating the safe and reliable operation of the A- and B-Area chilled water systems and providing oversight to manage performance, manpower resource budgets and reporting activities within approved budgets. This work scope includes the operations and maintenance of two chilled water plants that provide chilled water used to cool and dehumidify air in A and B Area facilities. The chilled water plant in A Area provides chilled water to 703-44A, 723-A, 735-A, 736-A, 737-A, 773-A, and portions of 703-A. The A-Area system consists of four chiller units and associated auxiliary equipment with a total rated capacity of 3,600 tons. The chilled water plant in B Area provides chilled water for the 730-B Buildings and 735-B Buildings. The B-Area system consists of three 773.3 ton chillers and associated equipment with a total capacity of 2,320 tons.

Utilities for Central Site Facilities work scope includes the utilities consumption billing for central Site facilities located in A Area, B Area, C Area, D Area, H Area, and N Area. The consumption billing is based on metered and allocated consumption, which is consistent with each utility's service billing practice. The specific utilities services included are listed below:

- A Area
 - Electricity, Steam, Water, and Sanitary Waste Treatment
 - B Area (except Wackenhut Services Incorporated [WSI] facilities)
 - Electricity, Water and Sanitary Waste Treatment
 - C Area (excluding 105-C and 707-C)
 - Electricity, Water and Sanitary Waste Treatment
 - D Area
 - Electricity, Water and Sanitary Waste Treatment
 - H Area (766-H)
 - Electricity
-

- N Area
 - Electricity, Water, Sanitary Waste Treatment

4.5 Environmental Compliance Oversight and Associated Guidance Concerning Execution of Site Infrastructure Scope

SRNS-Site Infrastructure is responsible for environmental compliance oversight and associated guidance concerning execution of Site Infrastructure scope. This scope is described below:

- Providing oversight and guidance for Site Infrastructure scope in compliance with permit conditions and regulations including:
 - Title V air (4 permits)
 - Domestic water (7 permits)
 - Wastewater treatment (13 permits)
 - Solid waste landfills (3 permits)
 - Underground storage tanks (7 permits)
 - Environmental laboratories (3 permits)
 - Collecting data, preparing, and issuing reports required by permits and regulations:
 - Annual air emissions inventory
 - Quarterly air emissions
 - Employee Planning and Community Right-To-Know Act (EPCRA) toxic chemical releases
 - Resource Conservation and Recovery Act (RCRA) hazardous waste inventory
 - Water usage
 - Sludge land application
 - Drinking water
 - Solid waste landfill volumes
 - Preparing Environmental Evaluation Checklists (National Environmental Policy Act - NEPA) to screen projects for the potential to impact the environment.
-

- Reviewing and updating Site Infrastructure Best Management Practices (BMP) and Spill Prevention Control and Countermeasures (SPCC) plans.
- Preparing Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Operation and Maintenance Activity Plans for any activities involving soil intrusion at CERCLA units and Site Evaluation Areas.
- Providing Subject Matter Expert (SME) support to the Chemical Management Program.
- Conducting an environmental self-assessment program to monitor and document compliance activities. A total of 65 self-assessments are conducted on an annual basis and managed in the Site Tracking, Analysis, and Reporting (STAR) system.

4.6 Energy and Resource Conservation Management Program Oversight

SRNS Site Infrastructure is responsible for energy and resource conservation management. This includes development and implementation of strategies for energy and resource conservation management that enables SRS to meet the energy and resource conservation requirements established by U.S. Department of Energy (DOE) Order 430.2B. This work scope also includes providing guidance and technical support of plans and actions executed to achieve energy and resource conservation requirements established by DOE Order 430.2B. This includes the following work scope:

- Provide programmatic oversight of active SRS energy savings performance contracts (ESPC) to ensure successful execution of corresponding ESPC activities. Contracts include A-Area Biomass Powerhouse ESPC, Site-wide Electrical (heating, ventilation and air conditioning [HVAC]/Lighting) ESPC
 - Provide programmatic support of new ESPC initiatives such as the Biomass Co-generation Facility and Steam Trap Replacement Project
 - Provide engineering/technical support for ESPC project planning and execution scope such as Biomass Co-generation Facility (as requested by DOE-Savannah River (SR) within the ESPC Project Execution Plan) and Steam Trap Replacement Project
 - Prepare and submit to DOE a variety of energy and resource usage and resource conservation data, including an Energy Management Annual Report for DOE-Headquarters (HQ), an Energy Management Data Report (Schedule 55), Quarterly Energy Conservation Reports (QECPR), and quarterly SRS energy-use data into the DOE-HQ EMS4 database
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- Provide technical and programmatic support to SRS organizations in developing and successfully implementing actions to achieve the DOE Transformational Energy Action Management (TEAM) objectives
- Respond to requests for technical guidance and information from DOE and SRS contractors relating to energy and resource conservation topics

Additionally, this work scope includes assessing the impact of and developing strategies relative to future DOE Orders relating to energy and resource management at SRS

4.7 Consolidated Outfall Maintenance

Consolidation maintenance of SRNS outfalls into a single infrastructure management program will ensure consistent standards are maintained for environmental excellence. Site Infrastructure (SI) will be the single point of contact in an effort to improve quality and the consistency of site outfall maintenance for all SRNS owned Industrial Wastewater, Stormwater and Administrative outfalls structures. SI will perform routine maintenance for SRNS Industrial Wastewater, Stormwater, and Administrative outfalls from the area perimeter fence and including the outfall proper. Basic services include outfall maintenance, ditch and drain maintenance, sample station structure maintenance, erosion control, stormwater/drainage grading, weed cutting and mowing, periodic walkdowns and condition assessments, and vacuuming industrial organization's areas to remove metal dust.

5.0 I

INTERFACE CONTROL INFORMATION

This section addresses system interface control information for utility systems.

5.1 Electricity

5.1.1 Defense Waste Processing Facility

- SRR will own, operate, and maintain all equipment, transformers, and breakers/disconnects within S Area. SRR will also own the pilot wire cabinets in S Area and H Area that support the 13.8-kV process feeders from H Area to S Area.
-

SRNS will perform transformer testing and relay calibrations as requested. *(Reference Electrical Distribution Table for drawing numbers and boundary points.)*

- SRR is responsible for the underground line (H-Area feeders 5A and 5B) from 951-S up to, but not including, breakers 5A and 5B in 251-H. *(Reference Electrical Distribution Table for drawing numbers and boundary points.)*
- SRR is responsible for the 13.8-kV distribution system feeders. *(Reference Electrical Distribution Table for drawing numbers and boundary points.)*
- SRR will own, operate, and maintain all equipment downstream of H2B176. At the 512-S Facility, the SRNS boundary will be the load side of fused switch H2B176. *(Reference Electrical Distribution Table for drawing numbers and boundary points.)*
- SRNS will own, operate, and maintain all 13.8-kV aerial electrical systems, transformers, and switches and fuses exiting DWPF. *(Reference Electrical Distribution Table for drawing numbers and boundary points.)*

Unless noted otherwise, the boundary is the secondary (low voltage) bushings of the transformer/substation listed.

Type	Location	Drawing #
13.kV feeder boundary	Load side of Pole 823 fuses Outside S Area Fence feeding transformer #8	SRNS # E-E2-H-8175
13.kV feeder boundary	Load side of Pole 840 fuses within S-Area Fence feeding Glass Waste Storage Building	SRNS # E-E2-H-8175
Switchgear	Load side of side stabs of 251-H breakers 5A & 5B	W770312
13.kV feeder boundary	Poles 064 and 065 within S-Area fence	W774001
13.kV feeder boundary	Load side of Pole 176 fuses feeding Late Wash	SRNS # E-E2-H-8174

5.1.2 H-Disposition Project

SRR will own, operate, and maintain all equipment, transformers, breakers/disconnects, etc., within H-Disposition Project (HDP) facility. SRR will own the low voltage electrical system downstream of the 13.8-kV transformers. *(Reference Electrical Distribution Table for drawing numbers and boundary points.)*

SRNS will own, operate, and maintain the 13.8-kV aerial electrical systems and all 13.8-kV transformers supplying HDP facilities unless specifically mentioned in this functional

paper. *(Reference Electrical Distribution Table for drawing numbers and boundary points.)*

SRR will own and operate the 13.8-kV transformer at 251-2G. SRNS will provide support as needed and when requested for maintenance and operation of this transformer.

SRNS will own, operate, and maintain the 13.8kV aerial electrical systems and all 13.8kV transformers supplying the following Office Trailers:

Trailers 707-5E, 707-8E, 707-9E, 707-14E, 707-15E are owned by SRR. SRNS will provide support as needed and when requested for maintenance and operation of these trailers.

Unless noted otherwise, the boundary is the secondary (low voltage) bushings of the transformer/substation listed .

Electrical Distribution Table

Type	Location	Drawing #
Transformers mounted on poles	Pole 057	WSRC # E-E2-H-8015
Transformers	Substations: 252-33H, 252-59H, 252-51H-C	SRNS # E-E2-H-8173
Transformers	Substations: 252-41H, 252-51H-A, 252-51H-B, 252-19H, 252-25H, 252-77H, 252-71H	SRNS # E-E2-H-8174
Transformers mounted on poles	Poles 191, 173A, 173B, 194, 199, 204, 205, 206	SRNS # E-E2-H-8174
Transformers	Substations: 252-37H, 252-23H, 252-21H, 252-20H, 252-74H, 252-1H, 252-7H, 252-21HA, 252-16H, 252-12H, 252-24H, 252-26H, 252-30H, 252-50H, 241-74H	SRNS # E-E2-H-8176
Transformer	Substation: 252-42H	SRNS #E-E2-H-8204
Transformers mounted on poles	Poles 423, 451, 465, 540, 547, 548, 549, 553, 556, 557, 565, 572,	SRNS # E-E2-H-8175
Main Disconnect Switch	707-5E, 707-8E, 707-9E, 707-14E, 707-15E	SRNS # E-E2-E-00058

5.1.3 F-Disposition Project

SRNS will own, operate, and maintain the 13.8-kV electrical distribution system supplying F-Disposition Project (FDP) up to and including the boundary components referenced below. *(Reference Electrical Distribution Table for drawing numbers and boundary points.)*

SRR will own, operate, and maintain the electrical system downstream of these components beginning at the second transformer bushings and continuing into the FDP facility. This includes all low voltage breakers, lighting panels, etc., within the FDP facility. (*Reference Electrical Distribution Table for drawing numbers and boundary points.*)

Unless noted otherwise, the boundary is the secondary (low voltage) bushings of the transformer/substation listed below.

Electrical Distribution Table

Type	Location	Drawing #
Transformer	652-46T (Supports FDP)	SRNS Drawing # E-E2-D-00167
Transformer	252-25F	SRNS Drawing # E-E2-F-2939
Transformers mounted on poles	Poles 89, 596, 624, 699, 700	SRNS Drawing # E-E2-F-2939-
Transformers	241-74F, 252-26F	SRNS Drawing # E-E2-F-2932
Transformers mounted on poles	Pole 312	SRNS Drawing # E-E2-F-2932
Transformers	252-15F, 252-17F, 252-21F, 252-21FA, 252-24F, 251-1G	SRNS Drawing # E-E2-F-2938
Transformers mounted on poles	Pole 192	SRNS Drawing # E-E2-F-2938
Transformers mounted on poles	Pole 222	SRNS Drawing # E-E2-F-2931

5.1.4 Effluent Treatment Project

SRNS will own, operate, and maintain the 13.8-kV electrical distribution system supplying Effluent Treatment Project (ETP) up to and including the following boundary components: (*Reference Electrical Distribution Table for drawing numbers and boundary points.*)

SRR will own, operate, and maintain the electrical system downstream of these components, beginning at the second transformer bushings and continuing into the ETP facility. This includes all low voltage breakers, lighting panels, etc., within the ETP facility. (*Reference Electrical Distribution Table for drawing numbers and boundary points.*)

Unless noted otherwise, the boundary is the secondary (low voltage) bushings of the transformer/substation listed below.

Electrical Distribution Table

Type	Location	Drawing #
Transformer	Substation: 252-22H T1	SRNS # E-E2-H-8176
Transformer	Substation: 252-22H T2	SRNS # E-E2-H-8174
Transformer	Substation: 252-50H	SRNS # E-E2-H-8176
Pole-Mounted Transformer	Pole 465	SRNS # E-E2-H-8176
Transformer	Substation: 252-15F	SRNS # E-E2-F-2938
Pole-Mounted Transformer	Pole 148	SRNS # E-E2-F-2939
Pole-Mounted Transformer	Pole 194	SRNS # E-E2-H-8174
Pole-Mounted Transformer	Pole 204	SRNS # E-E2-H-8174

5.1.5 Saltstone Project

SRR will own, operate, and maintain all equipment, e.g., transformers, cables, breakers, disconnects, etc., within the Saltstone Facility beyond the boundary points identified in the Electrical Distribution Table below.

SRNS will own, operate, and maintain the 13.8-kV aerial electrical systems, transformers, switches and fuses supplying Saltstone as noted in Section 5.1.1. In addition, SRNS will also own and maintain area pole-mounted lighting fed from the pole-mounted 13.8-kV transformer on pole 108Z and all equipment associated with the traffic light supply from pole 103Z.

Electrical Distribution Table

Type	Location	Drawing #
13.8 kV feeder boundary	Poles 99, 100	WSRC Drawing # W774001
Pole-Mounted Transformer	Poles 105, 107, 108, 112	WSRC Drawing # W774001

5.1.6 Salt Waste Processing Facility

The interfaces for electrical utility system boundaries provided to Salt Waste Processing Facility (SWPF) are identified in ICD-08-V-ESR-J-00008 R3.

5.17 Program Support

SRNS will own, operate, and maintain the 13.8kV aerial electrical systems and all 13.8kV transformers and entrance cable wiring to the Main Disconnect Switch supplying the following Office Trailers:

Trailers 707-9B, 707-10B, 707-19B, 707-20B, 707-21B, , 707-61B, 707-62B, 707-63B are owned by SRR. SRNS will provide support as needed and when requested for maintenance and operation of these trailers._

Trailers 707-1E, 707-2E, 707-3E, 707-4E, 707-6E, 707-7E, 707-10E, 707-11E, 707-12E, 707-13E, 707-16E, 707-17E, 707-18E are owned by SRR. SRNS will provide support as needed and when requested for maintenance and operation of these trailers._

Electrical Distribution Table

Type	Location	Drawing #
Main Disconnect Switch	Trailers 707-61B, 707-62B, 707-63B	E-CLC-B-00099
Main Disconnect Switch	Trailers 707-9B, 707-10B, 707-19B, 707-20B, 707-21B	B-EB-B-0006
Main Disconnect Switch	Trailers 707-1E, 707-2E, 707-3E, 707-4E, 707-6E, 707-7E, 707-10E, 707-11E, 707-12E, 707-13E, 707-16E, 707-17E, 707-18E	E-E2-E-00058

5.2 Domestic Water

5.2.1 Defense Waste Processing Facility

SRR is responsible for the domestic water system within DWPF facilities up to and including the last isolation valve outside the facility.. SRR is responsible for the 512-S domestic water system located within the perimeter fencing. SRR will own, maintain, and service all backflow prevention devices in their portion of the system. SRR will supply SRNS with information required for the Site Backflow Preventer Database. *(Reference table below for drawing numbers and boundary points.)*

SRNS is responsible for the treatment, storage, and distribution of domestic water to all facilities up to the inlet flange of the isolation valves listed in the table below which supply S-Area buildings and facilities (process and non-process). SRNS will continue to provide bacteriological sampling and other assistance as requested for domestic water

system sterilization within the SRR portion of the system. *(Reference table below for drawing numbers and boundary points.)*

The 4-inch domestic water line located within the S-Area perimeter fence and along coordinate N74-780 was abandoned in place and re-routed between Glass Waste Storage Building (GWSB) #1 and GWSB #2. Since part of the re-routed line is buried at depths greater than 7 to 8 feet, run under the proposed Shielded Canister Transporter roadway, and encased/ backfilled with CLSM, SRR will assume responsibility for funding the resulted added costs, for repairs or modification to any portion of this rerouted line section.

Facility	Valve (SRR designation)	Drawing #s	
		SRR	SRNS
Safety & Employment Office	DOW 006	W751640	M-MA-S-0004
Toilet Trailer	DOW 101	W751640	M-MA-S-0004
Trailers	DOW 104	W751640	M-MA-S-0004
704-71S	DOW 008	W751640	M-MA-S-0004
704-72S	DOW 009	W751640	M-MA-S-0004
706-S	DOW 056	W751640	M-MA-S-0004
Toilets	DOW 011	W751640	M-MA-S-0004
Office Trailer	DOW 012	W751640	M-MA-S-0004
714-S	DOW 013	W751640	M-MA-S-0004
Toilets	DOW 014	W751640	M-MA-S-0004
707-S	DOW 015	W751640	M-MA-S-0004
717-12S	DOW 016	W751640	M-MA-S-0004
Office Trailer	DOW 017	W751640	M-MA-S-0004
717-S	DOW 115	W751640	M-MA-S-0004
717-10S	DOW 018	W751640	M-MA-S-0004
717-11S	DOW 019	W751640	M-MA-S-0004
Toilets	DOW 020	W751640	M-MA-S-0004
Office Trailer	DOW 021	W751640	M-MA-S-0004
Office Trailer	DOW 022	W751640	M-MA-S-0004
210-S	DOW 023	W751640	M-MA-S-0004
905-2S	DOW 001	W751640	M-MA-S-0004
221-S	DOW 054	W751640	M-MA-S-0004
981-S	DOW 051	W751640	M-MA-S-0004
831-S	DOW 049	W751640	M-MA-S-0004
511-S	DOW 045	W751640	M-MA-S-0004
430-S	DOW 043	W751640	M-MA-S-0004
951-S	DOW 040	W751640	M-MA-S-0004
292-S	DOW 041	W751640	M-MA-S-0004
704-115S & -116S	DOW 085	W751640	M-MA-S-0004
905-1S	DOW 037	W751640	M-MA-S-0004

704-49S	DOW 117	W751640	M-MA-S-0004
250-S	DOW 038	W751640	M-MA-S-0004
251-S	DOW 033	W751640	M-MA-S-0004
704-S	DOW 029	W751640	M-MA-S-0004
Toilets	DOW 031	W751640	M-MA-S-0004
210-S	DOW 060	W751640	M-MA-S-0004

5.2.2 H-Disposition Project

SRR is responsible for the domestic water systems from the downstream flange on the last isolation feed valve outside the building or facility, including the building interior domestic waste distribution system. *(Reference Domestic Water Table below for drawing numbers and boundary points.)*

SRNS is responsible for the treatment, storage, and distribution of domestic water to all facilities within HDP, up to and including the last isolation valve supplying HDP facilities (process and non-process). SRNS will continue to provide assistance as requested for domestic water system sterilization and bacteriological sampling and backflow preventer testing within the HDP portion of the overall system. SRNS will maintain the Backflow Preventer database and will notify HDP when the required testing date is approaching. *(Reference Domestic Water Table below and SRNS Drawing M-MA-H-0098 for boundary points.)*

Line	Facility	Valve
L-081	241-99H	H1-901-DW-V-241-99
L-082	Tanks 9, 10, 11, 12	H1-901-DW-V-038
L-139	241-2H, -100H, -102H, -122H, 704-56H	H1-901-DW-V-039, H2-901-DW-V-118
L-082	HTF	H1-901-DW-V-036*
L-4053	HTF East Hill	HM-241-943-DW-V-080, HM-241-943-DW-V-079
L-5357	FEPH Cooling Towers	HM-241-49-DW-V-49C, HM-241-49-DW-V-49B
L-066	299-H	H1-901-DW-V-299-C
L-067	299-H	H1-901-DW-V-299-B

- *This valve is under a layer of asphalt and its location could not be verified and is apparently in an RBA and possibly in an RA.*

5.2.3 F-Disposition Project

Unless specified below, SRR maintains the responsibility for the domestic water system from the downstream flange on the last isolation feed valve outside the building or facility, including the building interior domestic water distribution system for FDP facility. *(Reference table below for drawing numbers and boundary points.)*

SRNS is responsible for the treatment, storage, and distribution of domestic water to all facilities within FDP, up to and including the last isolation valve supplying FDP facilities (process and non-process). SRNS will continue to provide assistance as requested for domestic water system sterilization and bacteriological sampling and backflow preventer testing within the FDP portion of the overall system. SRNS will maintain the Backflow Preventer database and will notify FDP when the required testing date is approaching. *(Reference table below for drawing numbers and boundary points.)*

Facility	Valve	Drawing #
FDP	F1-901-DW-V-150	SRNS # M-MA-F-0024 sheet 4 of 4
FDP	F1-901-DW-V-353	SRNS # M-MA-F-0024 sheet 4 of 4
241-17F	F1-901-DW-V-356	SRNS # M-MA-F-0024 sheet 4 of 4
241-18F, -24F, -28F	F1-901-DW-V-051	SRNS # M-MA-F-0024 sheet 4 of 4
704-26F	F1-901-DW-V-054	SRNS # M-MA-F-0047

5.2.4 Effluent Treatment Project

Unless specified below, SRR is responsible for the domestic water system from the downstream flange on the last isolation feed valve outside the building or facility, including the building interior domestic water distribution system for ETP facility. *(Reference table below for drawing numbers and boundary points.)*

SRNS is responsible for the treatment, storage and distribution of domestic water to all facilities within ETP up to and including the last isolation valve supplying ETP facilities (process and non-process). SRNS will continue to provide assistance as requested for domestic water system sterilization and bacteriological sampling and backflow preventer testing within the ETP portion of the overall system. SRNS will maintain the Backflow Preventer database and will notify ETP when the required testing date is approaching. *(Reference table below for drawing numbers and boundary points.)*

Facility	Valve	Drawing #
254-8H	V-893	SRNS # M-MA-H-0098 Sh. 1
241-81H	V-886	SRNS # M-MA-H-0098 Sh. 3
241-81H	V-887	SRNS # M-MA-H-0098 Sh. 3
241-98H	V-189	SRNS # M-MA-F-0047

5.2.5 Saltstone Project

SRR is responsible for the domestic water system from the point where the domestic water feed to Z area changes from below ground to above ground and also from the downstream flange of valve Z-803000-DW-V-0078 and including the area domestic water distribution system. SRR will own, maintain and service all backflow prevention devices in their portion of the system. SRR will supply SRNS with information required for Site Backflow Preventer Database. (*Reference WSRC Drawing W754620.*)

SRNS is responsible for the storage, supply, and treatment of domestic water to the Saltstone facilities (process and non-process). SRNS will continue to provide bacteriological sampling and other assistance as requested for domestic water system sterilization with the Saltstone portion of the system.

5.2.6 Salt Waste Processing Facility

The interfaces for domestic water utility system boundaries provided to SWPF are identified in ICD-02-V-ESR-J-00002 R2.

5.2.7 Program Support

SRNS will own operate and maintain the domestic water system to valve G2-901-V-DW012, this valve can be identified on drawing CT-E-00052 and is located at the foot of the trailers. The domestic water line from G2-901-V-DW012 valve upstream to trailers 707-11E, 707-12E, will be maintained by SRR.

5.3 Sanitary Waste Treatment

5.3.1 Defense Waste Processing Facility

SRR will be responsible for sanitary wastewater collection within all S-Area buildings including 512-S and the transfer lines that supply the S-Area Sanitary Lift Station LS-S-Area (607-S).

SRNS will own, operate, and maintain all equipment, alarms, and associated equipment within 607-S and transfer lines out of 607-S.

There are no SRNS drawings specific to the Sanitary Waste Water System. The site maps were used for border identification. There are no designations on the maps for the manholes. The map drawing numbers can be found through the Site Mapping System. The map numbers are based on a grid coordinate system with each grid having a sequence number.

The following SRS site map grids were used to identify sanitary sewer boundary points: S Area: 796, 797, 826, 827.

5.3.2 H-Disposition Project

SRR will be responsible for sanitary wastewater collection from the first manhole back into each of the buildings in HDP.

SRNS will be responsible for the sanitary wastewater collection system up to and including the first manhole outside each HDP building. SRNS will maintain all lift stations within HDP.

There are no SRNS drawings specific to the Sanitary Waste Water System. The site maps were used for border identification. There are no designations on the maps for the manholes. The map drawing numbers can be found through the Site Mapping System. The map numbers are based on a grid coordinate system with each grid having a sequence number. The following map grids were used to identify sanitary sewer boundary points: H Area - 765, 766, 767, 795, 796, 797, 825, 826, 827.

SRR will be responsible for above ground sanitary wastewater collection lines under Trailers 707-11E and 707-12E.

5.3.3 F-Disposition Project

SRR will be responsible for sanitary wastewater collection from the first manhole back into each of the buildings in FDP. (*Reference SRR arrangement drawings W700159, W701377 and W700578 for boundary identification.*)

SRNS will be responsible for the sanitary wastewater collection system up to and including the first manhole outside each FDP building. SRNS will maintain all lift stations within FDP.

There are no SRNS drawings specific for the Sanitary Wastewater System. The site maps were used for border identification. There are no designations on the maps for the manholes. The map drawing numbers can be found through the Site Mapping System. The map numbers are based on a grid coordinate system with each grid having a sequence number. The following map grids were used to identify sanitary sewer boundary points: F Area - 823, 824, 853, 854, 883, 884.

5.3.4 Effluent Treatment Project

SRR will be responsible for sanitary wastewater collection from the first manhole back into each of the buildings in ETP.

SRNS will be responsible for the sanitary wastewater collection system up to and including the first manhole outside each ETP building.

There are no SRNS drawings specific for the Sanitary Wastewater System. The site maps were used for border identification. There are no designations on the maps for the manholes. The map drawing numbers can be found through the Site Mapping System. The map numbers are based on a grid coordinate system with each grid having a sequence number. The following map grids were used to identify sanitary sewer boundary points: H Area - 765, 766, 767, 795, 796, 797, 825, 826, 827.

5.3.5 Saltstone Project

SRR will be responsible for sanitary wastewater collection within all Saltstone facilities and the transfer lines that supply the Saltstone Septic Tank and Tile Field.

5.3.6 Salt Waste Processing Facility

The interfaces for electrical utility system boundaries provided to SWPF are identified in ICD-6-V-ESR-J-00006 R1.

5.4 Steam

5.4.1 Defense Waste Processing Facility

SRR will own, operate, and maintain all steam pressure-reducing valve (PRV) stations supplying their facilities. This will include all bypass and isolation valves necessary to safely pressurize/depressurize these systems downstream of S-Area Supply Valves HPS-181 and HPS-183, located in S Area and Building 512-S supply valve HPS-V-042 located inside the 512-S Facility fence. *(Reference table below for drawing numbers and boundary points.)*

SRNS will own, maintain and operate the steam distribution system up to the inlet flanges of valves HPS-181, HPS-183, and HPS-V-042. S-Area supply valves HPS-4004-2 and HPS-005 located in H-Area will be operated by SRNS. *(Reference table below for drawing numbers and boundary points.)*

Line #	Boundary Valves	Drawing #s
H1-802-EXPS-L-063	HPS-181 HPS-183 HPS-V-042 HPS-4004-2 HPS-005	SRNS # M-MA-H-0035 WSRC # W751631 WSRC # W751632

5.4.2 H-Disposition Project

SRR will own, operate, and maintain all steam PRV stations supplying their facilities downstream of the boundary valves identified below. This will include all bypass and isolation valves necessary to safely pressurize/depressurize these systems. *(Reference table below for drawing numbers and boundary points.)*

SRNS will own, operate, and maintain the steam distribution system up to the inlet flanges of the boundary valves identified below.. SRNS is also responsible for the operation and maintenance of the 325 psig steam lines traversing HDP en route to other facilities in H Area. *(Reference table below for drawing numbers and boundary points.)*

Facility	Line #	Boundary Valves	Drawing #s
HDP (West Hill)	H1-802-EXPS-L-010	HS-V-1722 HS-V-1785	SRNS # M-MA-H-0035 Sh.9 WSRC # M-M6-9180
HDP(West Hill)	H1-802-EXPS-L-018	HS-V-1678 HS-V-1679	SRNS #M-MA-H-00035 Sh.4 WSRC #M-M6-H-9011
HDP (East Hill)	H1-802-EXPS-L-065	HS-V-1077	SRNS # M-MA-H-0035 Sh. 9

		HS-V-1078	WSRC # M-M6-H-9844
3H Evaporator	H1-802-EXPS-L-023	HS-V-1009 HS-V-1010 HS-V-1011	SRNS # M-MA-H-0035 Sh. 5 WSRC # M-M6-H-9854
299-H		HA-211000-MS-V-1	WSRC # M-M6-H-9043

5.4.3 F-Disposition Project

SRR will own, operate, and maintain all steam PRV stations supplying their facilities downstream of the boundary valves identified below. This will include all bypass and isolation valves necessary to safely pressurize/depressurize these systems.

SRNS will own, operate and maintain the steam distribution system up to the boundary valves identified below,. *(Reference table below for drawing numbers and boundary points.)*

Steam Distribution Table

Facility	Line #	Boundary Valves	Drawing #'s
FDP	F1-802-ISL-L-2006	HS-V-934 HS-V-935	SRNS # M-MA-F-0028 Sh. 2 WSRC #M-M6-F-3235
FDP	F1-802-ISL-L-2015	HS-V-1	SRNS # M-MA-F-0028 Sh. 2 WSRC #M-M6-F-3235
FDP	F1-802-ISL-L-2018	HS-V-17	SRNS # M-MA-F-0028 Sh. 2 WSRC #M-M6-F-3235

5.4.4 Effluent Treatment Project

SRR will own, operate, and maintain all steam PRV stations supplying their facilities downstream of the boundary valves identified below. This will include all bypass and isolation valves necessary to safely pressurize/depressurize these systems.

SRNS will own, operate, and maintain the steam distribution system up to the inlet flanges of the boundary valves identified below. *(Reference table below for drawing numbers and boundary points.)*

Line #	Boundary Valves	Drawing #s
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H1-802-EXPS-L-066	H1-802-EXPS-V-867 H1-802-EXPS-V-868	SRNS #M-MA-H-0035 Sh. 10
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5.4.5 Saltstone Project

This section is not applicable to this discussion.

5.4.6 Salt Waste Processing Facility

This section is not applicable to this discussion.

5.5 Fire Suppression Water System

5.5.1 Defense Waste Processing Facility

SRR is responsible for the S-Area fire suppression water supply and distribution system up to and including PIV-40, but not including PIV-2144. These two PIVs tie the S-Area and H-Area fire suppression water distribution systems together. (*Reference SRNS drawings F-PA-S-0001 and F-PA-H-0001 and WSRC drawing W776201 for boundary points.*).

Concurrence from SRR is required before SRNS makes any planned evolution affecting either of the PIVs that tie the S-Area and H-Area systems together. During an emergency, if it becomes necessary to change the status of either PIV, SRR will be notified as soon as possible.

Concurrence from SRNS is required before SRR makes any planned evolution affecting PIV-40, which ties the S-Area and H-Area systems together. During an emergency, if it becomes necessary to change the status of PIV-40, SRNS will be notified as soon as possible.

For the 512-S Facility, which is located in H Area and supplied by the H-Area firewater supply system, SRR is responsible for the building side (512-S) firewater supply up to, but not including, PIV-2173 and PIV-2058. The upstream flange of these PIVs is the specific boundary. (*Reference SRNS drawings F-PA-S-0001 and F-PA-H-0001 for boundary points.*).

SRNS is responsible for the H-Area fire suppression water pumping, storage and supply systems up through and including the identified PIVs. SRNS is responsible for testing, inspecting, and maintaining S-Area underground firewater piping, fire hydrants, and post-indicator and curb box valves. *(Reference SRNS drawings F-PA-S-0001 and F-PA-H-0001 for boundary points.)*

5.5.2 H-Disposition Project

SRR is responsible for the fire suppression water supply and distribution system within HDP facilities up to the first PIV outside an HDP facility.

SRNS is responsible for the fire suppression water pumping, storage and supply system within HDP up to and including the last PIV prior to entering HDP facilities. This includes the firewater supply tanks, fire pumps, and all outside underground firewater distribution system piping, PIVs, curb boxes, and hydrants. The downstream flange of the last PIV is the specific boundary. SRNS is responsible for testing, inspecting, and maintaining the underground firewater piping, fire hydrants, and post-indicator and curb box valves. *(Reference SRNS Drawing F-PA-H-0001 for boundary points.)*

Concurrence from SRR is required before SRNS makes any planned evolution affecting the PIVs. During an emergency, if it becomes necessary to change the status of any PIVs, SRR will be notified as soon as possible.

5.5.3 F-Disposition Project

SRR is responsible for the fire suppression water supply and distribution system within FDP facilities up to the first PIV outside an FDP facility.

SRNS is responsible for the fire suppression water pumping, storage, and supply system within FDP up to and including the last PIV prior to entering FDP facilities. This includes the firewater supply tanks, fire pumps, and all outside underground firewater distribution system piping, PIVs, curb boxes, and hydrants. The downstream flange of the last PIV is the specific boundary. SRNS is responsible for testing, inspecting, and maintaining the underground firewater piping, fire hydrants, and post-indicator and curb box valves. *(Reference SRNS Drawing Number F-PA-F-0001 for boundary points.)*

Concurrence from SRR is required before SRNS makes any planned evolution affecting the PIVs. During an emergency, if it becomes necessary to change the status of any PIVs, SRS will be notified as soon as possible.

5.5.4 Effluent Treatment Project

SRR is responsible for the fire suppression water supply and distribution system within ETP facilities up to the first PIV outside an ETP facility.

SRNS is responsible for the fire suppression water pumping, storage, and supply system within ETP up to and including the last PIV prior to entering ETP facilities. This includes the firewater supply tanks, fire pumps, and all outside underground firewater distribution system piping, PIVs, curb boxes, and hydrants. The downstream flange of the last PIV is the specific boundary. SRNS is responsible for testing, inspecting, and maintaining the underground firewater piping, fire hydrants, and post-indicator and curb box valves. *(Reference SRNS Drawing Number F-PA-H-0001 for boundary points.)*

Concurrence from SRR is required before SRNS makes any planned evolution affecting the PIVs. During an emergency, if it becomes necessary to change the status of any PIVs, SRR will be notified as soon as possible.

5.5.5 Saltstone Project

SRR is responsible for the Saltstone fire suppression water supply and distribution system downstream of Z-210-FP-V-PIV-3 within Building 210-Z, and downstream of Z-704-FP-V-PIV-6 within Building 704-Z supplying the sprinkler systems. *(Reference SRNS Drawing F-PA-H-0001 and SRR Drawings W776913 and W851640 for boundary points)*

SRNS is responsible for the fire suppression water pumping, storage, and supply systems within Z area, up to and including valve Z-210-FP-V-PIV-3, which services Building 210-Z, and valve Z-704-FP-V-PIV-6, which services 704-Z. The downstream flange of the identified PIV is the specific boundary. SRNS is responsible for testing, inspecting and maintaining Saltstone underground firewater piping, fire hydrants, and post-indicator and curb box valves. *(Reference SRNS Drawing F-PA-H-0001 and SRR Drawings W776910, W776913, and W851640 for boundary points).*

Concurrence from SRR is required before SRNS makes any planned evolution affecting the PIVs. During an emergency, if it becomes necessary to change the status of any PIVs, SRR will be notified as soon as possible.

5.5.6 Salt Waste Processing Facility

The interfaces for the fire suppression water system boundaries provided to SWPF are identified in ICD-17-V-ESR-J-00017 R2.

5.6 Process Well/Service Water

5.6.1 Defense Waste Processing Facility

This section is not applicable to this discussion.

5.6.2 H-Disposition Project

SRR is responsible for the process well water supply header within the boundaries of the HDP-West Pump House. SRR is also responsible for any process well water taps taken from the supply header to support facility equipment and systems (e.g., chromate water surge tank makeup, inhibited water makeup, stormwater monitors and evaporator flush water). *(Reference SRNS Drawing M-MA-H-0063 for boundary points. The specific boundary is the downstream flange of valve H1-901-WW-V-015.)*

SRNS is responsible for the process well water distribution supply header before it enters and after it exits the West Pump House. SRNS maintains responsibility for the H-Area process water deep well operation. *(Reference SRNS Drawing M-MA-H-0063 for boundary points. The specific boundary is the downstream flange of valve H1-901-WW-V-015.)*

5.6.3 F-Disposition Project

SRR is responsible for the process well water supply header within the boundaries of the FDP-West Pump House. SRR is also responsible for any process well water taps taken from the supply header to support facility equipment and systems (e.g., chromate water surge tank makeup, inhibited water makeup, stormwater monitors and evaporator flush water). *(Reference SRNS Drawing M-MA-F-0029 for boundary points. The specific boundary is the downstream flange of valve F1-901-WW-V-045)*

SRNS is responsible for the process well water distribution supply header before it enters and after it exits the West Pump House. SRNS is responsible for the F-Area process water deep well operation. *(Reference SRNS Drawing M-MA-F-0029 for boundary points. The specific boundary is the downstream flange of valve F1-901-WW-V-045).*

5.6.4 Effluent Treatment Project

SRNS is responsible for the process wells and the distribution system supplying ETP. SRNS maintains responsibility for the H-Area process water deep well operation. (*Reference SRNS Drawing M-MA-H-0017 for boundary points.*)

When requested by SRR, SRNS discharges raw well water to Outfall H-12 via Well 905-119H flush line discharge valve (Valve H1-905-WW-V-039). This low pH water blends with the high pH water released from the ETP Basin to ensure outfall pH limits are satisfied. This request is made by SRR-ETP to the SRNS Utility Dispatcher at 725-3133.

5.6.5 Saltstone Project

This section is not applicable to this discussion.

5.6.6 Salt Waste Processing Facility

This section is not applicable to this discussion.

6.0 SERVICE UNIT INFORMATION

For SRR, see the Attachment 1 of the MOA.

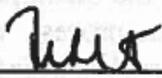
7.0 POINTS OF CONTACT

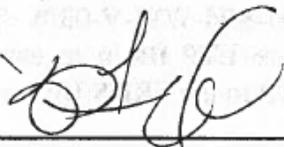
Both parties shall assign single POCs who will be responsible for coordinating and administering all matters related to this agreement. All requests for services shall flow through these POCs (or their functional designees). The POCs for this agreement are:

SRNS: James Alexander, Utilities & Operating Services

SRR: Mike Brill, Business Management

8.0 APPROVALS

SRNS:  9-27-12
Robert Gentry **Date**

SRR:  9-27-12
Sandra Fairchild **Date**
