

Salt Lake City IAP (ANG), Utah Wastewater Collection System

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J14 Salt Lake City IAP (ANG), Utah Wastewater Collection System

J14.1 Salt Lake City IAP (ANG), Utah Overview

Salt Lake City (SLC) is located in north central Utah immediately southeast of the Great Salt Lake. The Utah Air National Base (UTANG) lies within the boundary of the Salt Lake City International Airport (SLCIAP) along a portion of the eastern segment of the SLCIAP. The airport is owned by the city and base property is leased. The UTANG Base is home to the 151st Air Refueling Wing and occupies approximately 135 acres of the SLCIAP's five square miles of land. Their mission is to organize, train, and equip KC-135 aircraft personnel to provide in-flight refueling support on a worldwide basis and be prepared to respond to state emergencies and natural disasters. The base has a total 63 buildings: 3 services, 13 administrative, and 47 industrial buildings, amounting to approximately 407,000 square feet. There are 255 full-time personnel and 1,343 personnel during the once a month unit training assemblies. There are several new construction and demolition projects in progress or in the planning stages to modernize the base and remove vintage 1943 buildings. These projects include construction of a composite operations and training/squadron operations complex, an aircraft maintenance facility; a base supply complex and a new fire station: When all construction is complete the base will net approximately 99,759 square feet of new facility space with no increase of personnel.

J14.2 Wastewater Collection System Description

J14.2.1 Wastewater Collection System Fixed Equipment Inventory

The Salt Lake City IAP (ANG), Utah Wastewater Collection System consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way. The system may include, but is not limited to, pipelines and manholes. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the Wastewater Collection System privatization are:

- Oil Water Separators
- Grease Traps

J14.2.1.1 Description

The wastewater collection system for Salt Lake City IAP (ANG) operates via gravity flow, exits the base at eight locations, and is delivered to the Salt Lake City Corporation's treatment facility located

off base. The wastewater collection system consists of approximately 7400 linear feet of PVC pipe ranging in size from 4 to 15 inches, 1000 linear feet of cast iron pipe ranging in size from 4 to 8 inches; and 5200 linear feet of vitrified clay pipe ranging in size from 4 to 18 inches. Pipe depths range from 6 to 8 feet. Tracer wire or warning tape was not installed with the PVC pipe. Additionally, there are 22 pre-cast concrete manholes and 3 brick manholes ranging from 6 to 8 feet in depth. Base personnel indicate the system capacity is adequate to meet current and future demands.

J14.2.1.2 Inventory

Table 1 provides a general listing of the major Wastewater Collection System fixed assets for the Salt Lake City IAP (ANG), Utah Wastewater Collection System included in the sale.

TABLE 1
Fixed Inventory
Wastewater Utility System Salt Lake City IAP (ANG), Utah

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
PVC Pipe				
	4	220	LF	1984
	4	200	LF	1998
	6	510	LF	1991
	6	545	LF	1993
	6	300	LF	1992
	6	90	LF	1990
	8	840	LF	1991
	8	365	LF	1992
	10	645	LF	1991
	10	195	LF	1996
	12	565	LF	1990
	12	395	LF	1992
	12	640	LF	1996
	15	500	LF	1989
	15	430	LF	1996
	15	940	LF	1996

Cast iron Pipe

4	200	LF	1988
6	85	LF	1988
8	690	LF	1988

Vitrified Clay Pipe

4	115	LF	1984
6	200	LF	1973
6	215	LF	1959
6	80	LF	1943
8	2755	LF	1943
8	285	LF	1968
8	180	LF	1947
12	525	LF	1943
18	840	LF	1943

Standard Sanitary Sewer Manhole

Precast, concrete	6'x 4' dia	3	EA	1991
Precast, concrete	6'x 4' dia	3	EA	1988
Precast, concrete	6'x 4' dia	1	EA	1968
Precast, concrete	6'x 4' dia	3	EA	1996
Precast, concrete	6'x 4' dia	3	EA	1992
Precast, concrete	6'x 4' dia	2	EA	1991
Precast, concrete	6'x 4' dia	4	EA	1996
Precast, concrete	6'x 4' dia	3	EA	1992
Manhole, Brick	8'x4' dia	3	EA	1943

Notes:

PVC = Polyvinyl Chloride

LF = Linear Feet

EA = Each

No known warning/tracer tape used

J14.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2

Spare Parts

Wastewater Collection System Salt Lake City IAP (ANG), Utah

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools

Wastewater Collection System Salt Lake City IAP (ANG), Utah

Description	Quantity	Location	Maker
None			

J14.2.3 Wastewater Collection System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records

Wastewater Collection System Salt Lake City IAP (ANG), Utah

Qty	Item Description	Remarks
1	Wastewater Utility System Maps (electronic copy)	AutoCAD Release Version 2000

J14.3 Specific Service Requirements

The service requirements for the Salt Lake City IAP (ANG), Utah Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

J14.4 Current Service Arrangement

- Provider Name: Salt Lake City Corporation
- Average Annual Usage: 4,294,400 cubic feet (CF) or 32,122,112 gallons
- Wastewater is billed based on average monthly water usage
- Maximum Monthly Use: 871,100 CF or 6,515,080 gallons
- Minimum Monthly Use: 48,600 CF or 363,528 gallons

J14.5 Secondary Metering

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J6.6 below.

TABLE 6

New Secondary Meters
Water Distribution System Salt Lake City IAP (ANG), Utah

Meter Location	Meter Description
None	

J14.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Infiltration and Inflow Report. If required by Paragraph C.3, the Contractor shall submit an Infiltration and Inflow report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J14.7 Infiltration and Inflow (I&I) Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I. None

J14.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Salt Lake City IAP (ANG), Utah boundaries.

J14.9 Off-Installation Sites

No off-installation sites are included in the sale of the Salt Lake City IAP (ANG), Utah Wastewater Collection System.

J14.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 5** provides a listing of service connections and disconnections required upon transfer.

TABLE 5

Service Connections and Disconnections
Wastewater Collection System Salt Lake City IAP (ANG), Utah

Location	Description
None	

J14.11 Government Recognized System Deficiencies

Table 6 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Salt Lake City IAP (ANG), Utah Wastewater Collection System. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 6
System Deficiencies
Wastewater Collection System Salt Lake City IAP (ANG), Utah

Project Location	Project Description
None	