

ATTACHMENT J8

McEntire Air National Guard Station Wastewater Collection System

Table of Contents

MCENTIRE AIR NATIONAL GUARD STATION WASTEWATER COLLECTION SYSTEM.....I

J8 MCENTIRE AIR NATIONAL GUARD STATION WASTEWATER COLLECTION SYSTEM.....1

J8.1 MCENTIRE AIR NATIONAL GUARD STATION OVERVIEW..... 1

J8.2 WASTEWATER COLLECTION SYSTEM DESCRIPTION..... 1

 J8.2.1 Wastewater Collection System Fixed Equipment Inventory 1

 J8.2.1.1 Description..... 2

 J8.2.1.2 Inventory 2

 J8.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools 3

 J8.2.3 Wastewater Collection System Manuals, Drawings, and Records 4

J8.3 SPECIFIC SERVICE REQUIREMENTS..... 4

J8.4 CURRENT SERVICE ARRANGEMENT 4

J8.5 SECONDARY METERING..... 4

J8.6 MONTHLY SUBMITTALS..... 5

J8.7 INFILTRATION AND INFLOW (I&I) PROJECTS..... 5

J8.8 SERVICE AREA..... 5

J8.9 OFF-INSTALLATION SITES 5

J8.10 SPECIFIC TRANSITION REQUIREMENTS..... 5

J8.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES 6

List of Tables

Fixed Inventory 2

Spare Parts 3

Specialized Vehicles and Tools 4

Manuals, Drawings, and Records..... 4

New Secondary Meters..... 5

Service Connections and Disconnections 6

System Deficiencies..... 6

J8 McEntire Air National Guard Station Wastewater Collection System

J8.1 McEntire Air National Guard Station Overview

McEntire Air National Guard Station (ANGS) is located approximately 16 miles southwest of Columbia, South Carolina. It is owned by the US Government and is operated by the South Carolina Air National Guard. McEntire ANGS owns 2,344 acres and leases approximately 64 acres from the State of South Carolina. There is a small parcel of privately owned land within the base boundary; however, neither the leased land nor the privately owned land contain utilities. The base is home to the 169th Fighter Wing, which flies the F-16 multi-role fighter. An Army National Guard aviation unit is also a tenant on the base. The base has a total 95 buildings: 90 industrial, 4 administrative and one services totaling 263,000 square feet. There is no family or transient housing. New facilities under construction include an addition to the avionics building (2,500 square feet) and replacement of the air traffic control tower and aircraft support equipment facility (14,600 square feet total). Additionally, seven facilities totaling approximately 21,000 square feet are scheduled for demolition in FY 2001. There are 550 full-time ANG personnel on base which increases to 1300 one weekend per month. Additionally, there is a small cadre of Army personnel on base, increasing to 400 every other weekend.

J8.2 Wastewater Collection System Description

J8.2.1 Wastewater Collection System Fixed Equipment Inventory

The McEntire Air National Guard Station 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, manholes, and treatment plants. 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
- ?? Septic Tanks, Leach Fields
- ?? Pre-Treatment Systems

J8.2.1.1 Description

Wastewater at McEntire ANGS is collected in a gravity sanitary sewer system. It consists of approximately 14,300 linear feet of PVC pipe, 400 linear feet of cast iron pipe, 2100 linear feet of vitrified clay pipe and 14,000 linear feet of concrete reinforced pipe buried up to 14 feet deep. The pipe diameter ranges from 6 inches to 10 inches. Portions of the lines were slip-lined in 1986. None of the system is known to have tracer wire or marking tape. There are also 40 brick manholes up to 10 feet deep and 55 concrete pre-cast manholes up to 14 feet deep. Domestic wastewater is treated at the base owned wastewater treatment plant. This plant is rated at 20,000 gallons per day with an average throughput of 15,000 gallons per day. It utilizes the sequence batch reactor process, and consists of two oxidation tanks with fill and draw process, chlorination treatment, and three sludge drying tanks with covered roof. The office building is 172 square feet and houses a small lab to monitor compliance with discharge limits. There is one auxiliary generator use for backup power for the wastewater treatment pant. This auxiliary generator is not included in this solicitation. Treated effluent is discharged into an unnamed ditch that leads to Cedar Creek. Base personnel indicate the current capacity of the Wastewater Collection System is adequate and sufficient to meet the planned expansion of base facilities.

J8.2.1.2 Inventory

Table 1 provides a general listing of the major Wastewater Collection System fixed assets for the McEntire Air National Guard Station Wastewater Collection System included in the sale.

TABLE 1
Fixed Inventory
Wastewater Utility System McEntire Air National Guard Station

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
PVC Pipe				
	6	2146	LF	1994
	6	156	LF	2000
	6	264	LF	1992
	8	1152	LF	1993
	8	5941	LF	1988
	8	880	LF	2000
	8	750	LF	1983
	10	2970	LF	1983
Cast iron Pipe				
	6	365	LF	1942
Vitrified Clay Pipe				
	6	2096	LF	1942

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
Concrete Reinforced Pipe				
	6	209	LF	1942
	6	330	LF	1962
	8	13497	LF	1942
Sanitary Sewer Manhole				
Brick, 6 ft depth		20	EA	1942
Brick, 6 - 8 ft depth		15	EA	1942
Brick, 10 ft depth		5	EA	1942
Precast, 6 ft depth		13	EA	1983
Precast, 6 - 8 ft depth		13	EA	1983
Precast, 6 - 8 ft depth		1	EA	1988
Precast, 6 - 8 ft depth		5	EA	1993
Precast, 8 - 10 ft depth		9	EA	1983
Precast, 10 - 12 ft depth		8	EA	1983
Precast, 12- 14 ft depth		6	EA	1983
Wastewater Treatment Plant				
	.020 mgd	1	EA	1992
Notes: PVC = Polyvinyl Chloride LF = Linear Feet EA = Each IN = Inches MGD = Millions of Gallons per Day				

J8.2.2 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 McEntire Air National Guard Station

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools

Wastewater Collection System McEntire Air National Guard Station

Description	Quantity	Location	Maker
None			

J8.2.3 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 McEntire Air National Guard Station

Qty	Item Description	Remarks
1	Wastewater Collection System Master Plan	AutoCAD Release Version 2000
1	Wastewater Treatment Plant Operation and Maintenance Manual	

J8.3 Specific Service Requirements

The service requirements for the McEntire Air National Guard Station Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement. The following requirements are specific to the McEntire Air National Guard Station Wastewater Collection system and are in addition to those found in Section C. If there is a conflict between requirements described below and Section C, the requirements listed below take precedence over those found in Section C.

?? Wastewater Treatment Plant - Offeror shall address how to coordinate transfer of NPDES permit to offeror (Expires 31 March 2004), and coordination with the base on emergency power supply procedures.

J8.4 Current Service Arrangement

Provider Name: Base owned and operated wastewater treatment plant rated at 20,000 gallons per day

?? Average Annual Flow: 5,475,000 gallons

?? Average Daily Flow: 15,000 gallons

J8.5 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 McEntire Air National Guard Station

Meter Location	Meter Description
None	

J8.6 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.

J8.7 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.

J8.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the McEntire Air National Guard Station boundaries.

J8.9 Off-Installation Sites

No off-installation sites are included in the sale of the McEntire Air National Guard Station Wastewater Collection System.

J8.10 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 McEntire Air National Guard Station

Location	Description
None	

J8.11 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 McEntire Air National Guard Station 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 McEntire Air National Guard Station

Project Location	Project Description
None	