

ATTACHMENT J11

SHEPHERD AGS (ANG) Wastewater System

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J11 SHEPHERD AGS (ANG) Wastewater System

J11.1 SHEPHERD AGS (ANG) Overview

Shepherd AGS (ANG) is located at the Eastern West Virginia Regional Airport, 4 miles south of Martinsburg, WV. The installation consists of approximately 205 acres and 34 buildings totaling 347,441 square feet. During peak surges, the installation population is approximately 1500 personnel.

The 167th Airlift Wing initially constituted as the 369th Fighter Squadron on 20 December 1942 and formally activated on 15 January 1943 and assigned to the 359th Fighter Group from 15 January 1943 to 10 November 1945. Assignments included: Westover Field, Massachusetts on 15 January 1943, Grenier Field, New Hampshire on 6 April 1943, Republic Field, New York on 26 May 1943, Westover Field, MA on 24 August 1943 until 2 October 1943, East Wretham, England on 18 October 1943 until 4 November 1945 and Camp Kilmer, New Jersey on 9-10 November 1945. The aircraft flown during World War II was the P-47 Thunderbolt (1943-1944) and the P-51 Mustang (1944-1945). The 369th took part in the Air Offensive, Europe; Normandy, Northern France, Rhineland; Ardennes-Alsace; Central Europe Air Combat, EAME Theater. The squadron deactivated on 10 November 1945, redesignated the 167th Fighter Squadron and allotted to the Air National Guard (ANG) on 24 May 1946.

The Air National Guard designated the State of West Virginia as the resident state for the fighter squadron. On 24 May 1946, Charleston's Kanawha Airport became the home base for the renamed 167th Fighter Squadron. Early aircraft included the T-6 Trainer, the P-47 Thunderbolt and the P-51 Mustang. The name, mission, size and even the site changed over the next 40 years, but the numbers "167" have remained constant with the West Virginia Air National Guard.

In 1995, the unit began conversion training for the C-130H-3 in the first quarter and transferred most of the "E" models to Peoria, Illinois. The Civil Engineers deployed to Panama and the Medical Squadron deployed to Honduras. Most of the sections took part in a deployment to Alpena, Michigan in September where chemical exercises and other special training took place. The unit celebrated its 40th anniversary on 10 June 1995.

The 167th Airlift Group was redesignated the 167th Airlift Wing on 1 October 1995 and currently uses C-130H-3 aircraft to perform its airlift mission.

J11.2 Wastewater System Description

J11.2.1 Wastewater System Fixed Equipment Inventory

The SHEPHERD AGS (ANG) wastewater 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, lift stations, valves, controls, treatment plants, and meters. 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 system privatization are: System contains 6 oil water separators and one kitchen grease trap that are not included in the privatization and are considered part of the facility creating the discharge.

J11.2.1.1 Description

The Eastern WV Regional Airport-Shepherd Field ANG Base wastewater collection system is comprised of approximately 9,000 linear feet of sewer pipes ranging from 2 to 8 inches in diameter. There are two lift stations on the base and it is a 90 percent gravity flow system. There is a wide range of ages in the system from 42 years old to recently installed, however, even the oldest pipes and manholes inspected are in good to very good condition. The base has one 48 kg sewage treatment facility, one septic tank and one drain field (at the firing range), and no storage tanks. Collection system contains PVC and VCP (polyethylene lined in 1994) pipe, and 36 manholes servicing 24 buildings.

J11.2.1.2 Inventory

Table 1 provides a general listing of the major wastewater system fixed assets for the SHEPHERD AGS (ANG) wastewater system included in the sale.

TABLE 1
Fixed Inventory
Wastewater Utility System SHEPHERD AGS (ANG)

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
PVC Pipe	2.00	290	LF	1995
	4.00	80	LF	1976
	4.00	100	LF	1985
	4.00	10	LF	1991
	4.00	75	LF	1992
	4.00	70	LF	1994
	6.00	700	LF	1976

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
	6.00	290	LF	1979
	6.00	90	LF	1985
	6.00	895	LF	1987
	6.00	175	LF	1992
	6.00	180	LF	1994
	6.00	120	LF	1995
	8.00	300	LF	1979
	8.00	1960	LF	1987
	8.00	340	LF	1994
	8.00	200	LF	1995
Vitrified Clay Pipe	6.00	300	LF	1958
	6.00	100	LF	1970
	6.00	60	LF	1971
	6.00	290	LF	1972
	8.00	1780	LF	1958
	8.00	25	LF	1959
	8.00	180	LF	1971
	8.00	250	LF	1972
Manholes (Concrete)		2	EA	1995
		6	EA	1994
		2	EA	1992
		5	EA	1987
		3	EA	1985
Manholes (Brick)		1	EA	1979
		2	EA	1976
		3	EA	1971
		2	EA	1970
		1	EA	1959
		9	EA	1958
Sewage Trmt & Dspl Facility (48kg)	Bldg 1036	1	EA	
Lift Station		1	EA	1985
		1	EA	1993

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
Lift Station Pumps (1985 Lift Station) (62 gpm at 22 TDH, 3hp)		3	EA	1985
Lift Station Pumps (1993 Lift Station) (11 gpm at 92 TDH, 1hp)		2	EA	1993
Emergency Generator (80hp Kohler diesel 1987 with 2000gal fuel tank)		1	EA	1986

Notes:
 PVC = Polyvinyl Chloride
 LF = Linear Feet
 EA = Each

J11.2.2 Wastewater 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 System SHEPHERD AGS (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
 Specialized Vehicles and Tools
 Wastewater System SHEPHERD AGS (ANG)

Description	Quantity	Location	Maker
None			

J11.2.3 Wastewater 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 System SHEPHERD AGS (ANG)

Qty	Item	Description	Remarks
1	Maps	Distribution System	AUTOCAD Format
1	Manuals	Hardcopy Only	

J11.3 Specific Service Requirements

The service requirements for the SHEPHERD AGS (ANG) wastewater system are as defined in the Section C, *Description/Specifications/Work Statement*.

J11.4 Current Service Arrangement

The Shepherd AGS (ANG) wastewater system is currently maintained by the ANG.

J11.5 Secondary Metering

Qty	Item	Description	Remarks
None			

J11.6 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.

J11.7 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.

J11.8 Service Area

IAW Paragraph C.4, Service Area, the service area is defined as all areas within the SHEPHERD AGS (ANG) boundaries.

J11.9 Off-Installation Sites

One off-installation site is included in the sale of the SHEPHERD AGS (ANG) wastewater system.

This site, Small Arms Firing Range, is located 4000 feet south of the threshold of runway 35 and 4800 feet east of threshold of runway 08. The site contains a 1 KG sewage septic tank and a drain field.

J11.10 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 System SHEPHERD AGS (ANG)

Location	Description
None	

J11.11 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 SHEPHERD AGS (ANG) wastewater 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 Renewal and Replacement Plan process and will be recovered through Schedule L-3. Renewal and Replacement projects will be recovered through Sub-CLIN AC.

TABLE 6
System Deficiencies
Wastewater System SHEPHERD AGS (ANG)

Project Location	Project Description
No System Deficiencies	