

**ATTACHMENT J2**

# **Forbes Field (ANG) Wastewater Collection System**

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# **J2 Forbes Field (ANG) Wastewater Collection System**

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## **J2.1 Forbes Field (ANG) Overview**

The 190<sup>th</sup> Air Refueling Wing (ARW) of the Kansas Air National Guard (KANG) occupies 215 acres on the south side of Topeka Airport, located approximately 5 miles south of downtown Topeka, Kansas. The mission of the 190<sup>th</sup> ARW is to “Provide a professional trained militia, ready to serve community, state and nation”. The unit currently flies the KC-135E/D Stratotanker. The 190<sup>th</sup> ARW occupies 7 administrative facilities, 16 industrial facilities, and 2 services facilities totaling approximately 523,100 square feet with 323 full time personnel. Unit training drills conducted once a month result in a surge of up to a total of 1152 personnel.

## **J2.2 Wastewater Collection System Description**

### **J2.2.1 Wastewater Collection System Fixed Equipment Inventory**

The Forbes Field (ANG) 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, lift stations, 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 Collection System privatization are:

- Oil water separators

- Storm sewers

- Grease traps

#### **J2.2.1.1 Description**

The Forbes Field wastewater collection system operates with both gravity flow and force mains and exits the base at seven locations and enters the base at one location. The wastewater collection system consists of approximately 3,800 linear feet of PVC pipe and 3,300 linear feet of vitrified clay pipe (320 linear feet was slip lined in 1995). Pipes range in size from four to ten inches. Pipe depth ranges from four to 14 feet without tracer wire or warning tape. The system includes one lift station (in a vault pit with a fiberglass building covering controls), 25 pre-cast concrete manholes and 15 brick manholes ranging from six to 14 feet in depth. There are also two wastewater meters ranging in size from eight to ten inches. Base personnel indicate the capacity of the current system is adequate for present and future needs.

### J2.2.1.2 Inventory

**Table 1** provides a general listing of the major Wastewater Collection System fixed assets for the Forbes Field (ANG) Wastewater Collection System included in the sale.

**TABLE 1**  
Fixed Inventory  
Wastewater Collection System Forbes Field (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
<b>PVC Pipe</b>	(in)			
	8	2922	LF	1995
	10	194	LF	1998
Force main	4	680	LF	1995
<b>Vitrified Clay Pipe</b>	(in)			
	4	609	LF	1955
	6	538	LF	1955
Section slip lined in 1995	8	1877	LF	1955
Section slip lined in 1995	8	320	LF	1955
<b>Standard Sanitary Sewer Manhole (4 ft diameter)</b>	Depth (ft)			
Brick	6	4	EA	1955
Brick	6	5	EA	1955
Brick	6	4	EA	1955
Brick	6	2	EA	1955
Pre-Cast Concrete	6	4	EA	1995
Pre-Cast Concrete	8	9	EA	1995
Pre-Cast Concrete	10	7	EA	1995
Pre-Cast Concrete	12	3	EA	1995
Pre-Cast Concrete	14	2	EA	1995
<b>Wastewater Lift/Pump Station</b>				
Lift Station in concrete pit, 7ft x 6ft x 6ft		1	EA	1995
Fiberglass building, 6ft x 6ft x 8ft		1	EA	1995
<b>Lift Station Pumps</b>	(hp)			
Duplex, 100 gpm	5	2	EA	1995
<b>Wastewater Meters (see section J2.5 for details)</b>	(in)			
	8	1	EA	1995
	10	1	EA	1995

Item	Size	Quantity	Unit	Approximate Year of Construction
Notes:				
PVC = Polyvinyl Chloride				
LF = Linear Feet				
HP = horsepower				
In = Inches				
FT = Feet				
GPM = Gallon Per Minute				
EA = Each				

### J2.2.2 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 Forbes Field (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

**TABLE 3**

Specialized Vehicles and Tools

Wastewater Collection System Forbes Field (ANG)

Description	Quantity	Location	Maker
None			

### J2.2.3 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 Forbes Field (ANG)

Qty	Description	Remarks
1	Water and Wastewater Utility System Maps (electronic copy), Aug 2000	AutoCAD Release V 14
1	Forbes Field Upgrade Sanitary July 1995	

## J2.3 Specific Service Requirements

The service requirements for the Forbes Field (ANG) Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

## J2.4 Current Service Arrangement

Provider Name: Metropolitan Topeka Airport Authority

Average Annual Usage (2000): 4,600 kGal

Maximum Monthly Use (July): 2,000 kGal

Minimum Monthly Use (Dec): 150 kGal

## J2.5 Secondary Metering

**Table 5** provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J3.6 below. There are no new secondary meters required.

**TABLE 5**  
Existing Secondary Meters  
Wastewater Collection System Forbes Field (ANG)

Meter Location	Meter Description (Type)
Adjacent to manhole SS-29	8-inch Leopold Lago Flume, with sensing unit, 1995
Adjacent to manhole SS-26	10-inch Drexelbrook electric unit, 1995

## J2.6 Monthly Submittals

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

1. Invoice (IAW paragraph 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 25<sup>th</sup> 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 25<sup>th</sup> 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 25<sup>th</sup> of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.
4. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all identified secondary meters. The Contractor's monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15<sup>th</sup> of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

## J2.7 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.

## J2.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Forbes Field (ANG) boundaries. Additionally, there is a portion of the wastewater collection system that exits the installation at one point and returns at a separate point. This section consists of four manholes and approximately 430 linear feet of 8-inch PVC pipe. These totals are included in the Table 1 inventory. The pipe runs approximately 30 feet parallel to the outside of the base perimeter fence and serves laterals coming from buildings 750, 760 and 770.

## J2.9 Off-Installation Sites

No off-installation sites are included in the sale of the Forbes Field (ANG) Wastewater Collection System.

## J2.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 6** provides a listing of service connections and disconnections required upon transfer.

**TABLE 6**  
Service Connections and Disconnections  
Wastewater Collection System Forbes Field (ANG)

Location	Description
None	

## J2.11 Government Recognized System Deficiencies

**Table 7** provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Forbes Field (ANG) 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 7**  
System Deficiencies  
Wastewater Collection System Forbes Field (ANG)

Project Location	Project Description
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None	
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