

**ATTACHMENT J24**

# **Springfield-Beckley Municipal Airport (ANG) Wastewater Collection System**

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# **J24 Springfield-Beckley Municipal Airport (ANG) Wastewater Collection System**

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## **J24.1 Springfield-Beckley Municipal Airport (ANG) Overview**

The 178<sup>th</sup> Fighter Wing (FW) of the Ohio Air National Guard occupies 113.6 acres of leased land on the Springfield-Beckley Municipal Airport, located in central Ohio, approximately five miles south of the city of Springfield and approximately 50 miles west of Columbus. The mission of the 178<sup>th</sup> FW is to train future fighter pilots. The unit currently flies the F-16 Falcon. The 178<sup>th</sup> FW occupies 8 administrative, 25 industrial, and 6 services buildings totaling approximately 336,330 square feet with 409 full-time personnel. A unit training drill is conducted twice a month and results in a surge of up to a total of 829 personnel. Two projects are currently funded for construction in FY 2002. These include construction of a Hush House and a 30,800 SF Squadron Operations Complex.

## **J24.2 Wastewater Collection System Description**

### **J24.2.1 Wastewater Collection System Fixed Equipment Inventory**

The Springfield-Beckley Municipal Airport (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, and a lift station. 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

#### **J24.2.1.1 Description**

The Springfield-Beckley Municipal Airport (ANG) wastewater collection system operates via gravity flow with lift station augmentation (no force main). It exits the base at 13 locations. The wastewater collection system consists of approximately 1,600 linear feet of PVC pipe, 850 linear feet of cast iron pipe, and 6,500 linear feet of vitrified clay pipe. Pipes range in size from four to eight inches. Pipe depth ranges from four to eight feet without tracer wire or warning tape. The system includes one lift station and 18 pre-cast concrete and 8 brick manholes ranging from six to eight feet in depth. Base personnel indicate the capacity of the current system is adequate for present and future needs.

### J24.2.1.2 Inventory

**Table 1** provides a general listing of the major Wastewater Collection System fixed assets for the Springfield-Beckley Municipal Airport (ANG) Wastewater Collection System included in the sale.

**TABLE 1**

Fixed Inventory

Wastewater Collection System Springfield-Beckley Municipal Airport (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
<b>PVC Pipe</b>	(in)			
	4	450	LF	2000
	4	245	LF	1999
	6	95	LF	1994
	6	130	LF	2000
	6	165	LF	2001
	8	500	LF	1995
<b>Cast Iron Pipe</b>	(in)			
	8	855	LF	1979
<b>Vitrified Clay Pipe</b>	(in)			
	6	70	LF	1981
	6	235	LF	1978
	6	1365	LF	1955
	6	105	LF	1965
	6	100	LF	1963
	6	225	LF	1977
	6	40	LF	1961
	6	490	LF	1985
	6	170	LF	1971
	6	180	LF	1972
	8	830	LF	1981
	8	800	LF	1986
	8	100	LF	1955
	8	320	LF	1963
	8	185	LF	1973
	8	1260	LF	1982
<b>Standard Sanitary Sewer Manhole (4 ft diameter)</b>	Depth (ft)			

Item	Size	Quantity	Unit	Approximate Year of Construction
Brick	6	1	EA	1961
Brick	6	3	EA	1955
Brick	8	2	EA	1963
Brick	8	1	EA	1955
Brick/Block	8	1	EA	1973
Pre-cast Concrete	6	1	EA	2001
Pre-cast Concrete	6	2	EA	1982
Pre-cast Concrete	6	2	EA	1995
Pre-cast Concrete	6	3	EA	1981
Pre-cast Concrete	6	2	EA	1986
Pre-cast Concrete	8	1	EA	1977
Pre-cast Concrete	8	1	EA	1999
Pre-cast Concrete	8	1	EA	2000
Pre-cast Concrete	8	5	EA	1979
<b>Wastewater Lift/Pump Station</b>				
		1	EA	1985
<b>Wastewater Pump</b>				
	(HP)			
<b>Submersible 60 GPM</b>	1	2	EA	1985
Notes:				
PVC = Polyvinyl Chloride				
LF = Linear Feet				
In = Inches				
FT = Feet				
GPM = Gallon Per Minute				
HP = Horsepower				
EA = Each				

### J24.2.2 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 Springfield-Beckley Municipal Airport (ANG)

Qty	Item	Make/Model	Description	Remarks
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None				
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**TABLE 3**  
Specialized Vehicles and Tools  
Wastewater Collection System Springfield-Beckley Municipal Airport (ANG)

Description	Quantity	Location	Maker
None			

### J24.2.3 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 Springfield-Beckley Municipal Airport (ANG)

Qty	Description	Remarks
1	Wastewater Utility System Maps (electronic copy)	AutoCAD Release Version 2000
1	Copy of Sanitary Sewer Inspection Report (July 1999)	Conducted by AETC Environmental Reveal Unit

## J24.3 Specific Service Requirements

The service requirements for the Springfield-Beckley Municipal Airport (ANG) Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

## J24.4 Current Service Arrangement

- ?? **Current Provider:** City of Springfield
- ?? **Average Annual Effluent (2000):** 387 kCF
- ?? **Maximum Monthly Effluent:** 54 kCF February
- ?? **Minimum Monthly Effluent:** 8 kCF April

## J24.5 Secondary Metering

The Contractor shall install and calibrate new secondary meters as listed in **Table 5**. 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 J24.6 below.

**TABLE 5**  
New Secondary Meters  
Wastewater Collection System Springfield-Beckley Municipal Airport (ANG)

Meter Location	Meter Description
None	

## J24.6 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 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.

## J24.7 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.

## J24.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Springfield-Beckley Municipal Airport (ANG) boundaries.

## J24.9 Off-Installation Sites

No off-installation sites are included in the sale of the Springfield-Beckley Municipal Airport (ANG) Wastewater Collection System.

## J24.10 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 Springfield-Beckley Municipal Airport (ANG)

Location	Description
None	

## J24.11 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 Springfield-Beckley Municipal Airport (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 Springfield-Beckley Municipal Airport (ANG)

Project Location	Project Description
None	