

ATTACHMENT J14

Kingsley Field (ANG) Wastewater Collection System

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J14 Kingsley Field (ANG) Wastewater Collection System

J14.1 Kingsley Field (ANG) Overview

The 173rd Fighter Wing (FW) of the Oregon Air National Guard occupies 61 acres of leased land on the Klamath Falls International Airport, located approximately 4 miles southeast of Klamath Falls, Oregon. The mission of the 173rd FW is to train the best air-to-air combat pilots, train flight doctors and serve Oregon and the Nation in times of peace and war. The unit currently flies the F-15. The 173rd FW occupies 5 administrative, 1 dorm, 1 services and 66 industrial buildings totaling approximately 484,981 square feet with 485 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to a total of 750 personnel.

J14.2 Wastewater Collection System Description

J14.2.1 Wastewater Collection System Fixed Equipment Inventory

The Kingsley 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, pumps and lift stations. 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

J14.2.1.1 Description

The wastewater collection system operates via a combination of gravity flow and force mains. Effluent exits the base at six locations. The wastewater collection system consists of approximately 5100 linear feet of PVC pipe, 2700 linear feet of transite pipe; and 7400 linear feet of vitrified clay pipe. Pipe depth ranges from five to 14 feet without tracer wire or warning tape and pipe diameters range in size from two to ten inches. There are 26 brick manholes ranging in depth from four to ten feet, 11 pre-cast manholes ranging in depth from four to six feet, five wastewater pumps from one to five horsepower and five lift stations. Base personnel indicate the capacity of the current system may not be adequate for present and future needs.

J14.2.1.2 Inventory

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

TABLE 1

Fixed Inventory

Wastewater Collection System Kingsley Field (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in)			
	4	815	LF	1990
	4	820	LF	1987
	4	80	LF	1996
	6	215	LF	1997
	6	255	LF	1989
	6	440	LF	1987
	6	720	LF	1996
	6	640	LF	1999
	6	95	LF	1995
	8	620	LF	1997
	8	50	LF	1987
	8	310	LF	1999
Transite Pipe	(in)			
Force Main	2	1600	LF	1998
Force Main	4	1065	LF	2000
Vitrified Clay Pipe	(in)			
	4	55	LF	1958
	4	200	LF	1959
	6	30	LF	1960
	6	210	LF	1961
	6	125	LF	1943
	6	200	LF	1958
	6	800	LF	1959
	6	805	LF	1956
	6	210	LF	1948
	6	100	LF	1979

Item	Size	Quantity	Unit	Approximate Year of Construction
	8	425	LF	1961
	8	1120	LF	1959
	8	240	LF	1956
	8	725	LF	1948
	10	1320	LF	1958
Pipe lined with Gelco liner in 1999	8	835	LF	1961
Wastewater Manholes (4-foot diameter)	(depth ft)			
Brick	4	1	EA	1961
Brick	4	1	EA	1958
Brick	6	2	EA	1961
Brick	6	1	EA	1959
Brick	8	5	EA	1959
Brick	8	7	EA	1958
Brick	8	4	EA	1961
Brick	10	5	EA	1959
Pre-cast Concrete	4	4	EA	1987
Pre-cast Concrete	6	2	EA	1997
Pre-cast Concrete	6	3	EA	1996
Pre-cast Concrete	6	2	EA	1999
Lift Stations				
Lift Station 1 (estimated 500 gallon concrete tank)		1	EA	1956
Lift Station 2 (estimated 500 gallon concrete tank)		1	EA	1992
Lift Station 3 (poured concrete tank 10 ft X 6 ft X 10 ft deep)		1	EA	1998
Lift Station 4 (4 ft X 4 ft X 10 ft deep steel tank package)		1	EA	1963
Lift Station 5 (two 1500-gallon concrete tanks)		1	EA	1959
Pumps	(HP)			
Lift Station 1 Submersible	1 ¾	1	EA	1990
Lift Station 2 Submersible, 100 GPM	1	1	EA	1990
Lift Station 3 Submersible, 200 GPM	5	1	EA	1998
Lift Station 4 Submersible duplex, 200 GPM	5	1	EA	2000
Lift Station 5 Submersible	1.5	1	EA	1998
Notes:				
PVC = Polyvinyl Chloride				
LF = Linear Feet				

Item	Size	Quantity	Unit	Approximate Year of Construction
In = Inches				
FT = Feet				
GPM = Gallon per minute				
HP = Horsepower				
EA = Each				

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 Kingsley Field (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools

Wastewater Collection System Kingsley Field (ANG)

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 Kingsley Field (ANG)

Qty	Description	Remarks
1	Video tape of sewer mains	In technical Library
1	Kingsley Field Wastewater Utility System Map 1:200 (electronic copy)	AutoCAD Release Version 2000

J14.3 Specific Service Requirements

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

J14.4 Current Service Arrangement

?? **Current Provider:** City of Klamath Falls

?? **Average Annual Effluent (2000):** 17,941 kGal

?? **Maximum Monthly Effluent:** 2,475 kGal April

?? **Minimum Monthly Effluent:** 35 kGal December

Data given is 100% of the water consumption, but the base sewer bill is a pro-rata share of the total airport complex. Average monthly sewer bill is \$5600 with an annual adjustment in June.

J14.5 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 J14.6 below.

TABLE 5

New Secondary Meters

Wastewater Collection System Kingsley Field (ANG)

Meter Location	Meter Description
None	

J14.6 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 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 Kingsley Field (ANG) boundaries.

J14.9 Off-Installation Sites

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

J14.10 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 Kingsley Field (ANG)

Location	Description
None	

J14.11 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 Kingsley 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 Kingsley Field (ANG)

Project Location	Project Description
None	