

ATTACHMENT J4

Channel Islands ANG Station Wastewater Collection System

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J4 Channel Islands ANG Station Wastewater Collection System

J4.1 Channel Islands ANG Station Overview

The 146th Airlift Wing (AW) of the California Air National Guard occupies 206 acres of fee-owned land adjacent to the Point Mugu Naval Air Station, an active duty Navy flying installation. The Channel Islands ANG Station is located 50 miles northwest of Los Angeles in Port Hueneme, California. The mission of the 146th AW is to provide global military airlift capability to a full spectrum of state and federal agencies. The unit currently flies the C-130 Hercules. The 146th AW occupies two administrative, nine industrial, and four services buildings totaling approximately 345,191 square feet with 354 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to a total of 1,204 personnel.

J4.2 Wastewater Collection System Description

J4.2.1 Wastewater Collection System Fixed Equipment Inventory

The Channel Islands ANG 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, meters, 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

J4.2.1.1 Description

The wastewater collection system operates via a combination of gravity flow and force mains and exits the base at one location. The wastewater collection system consists of approximately 2,500 linear feet of PVC pipe and 2,000 linear feet of ductile iron pipe. Pipe diameter ranges in size from 1.5 to twelve inches. Pipe depth ranges from four to 16 feet without tracer wire or warning tape. The system includes three lift stations, with wet wells ranging from 8.75 to 22.5 feet deep, three pumps from 1/2 to 40 horsepower, and nine pre-cast concrete manholes ranging from six to 16 feet in depth. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J4.2.1.2 Inventory

Table 1 provides a general listing of the major Wastewater Collection System fixed assets for the Channel Islands ANG Station Wastewater Collection System included in the sale.

TABLE 1

Fixed Inventory

Wastewater Collection System Channel Islands ANG Station

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in)			
	6	348	LF	1990
	8	490	LF	1990
	10	1432	LF	1990
	12	260	LF	1990
Ductile Iron Pipe	(in)			
Force Main	1.5	15	LF	1990
Force Main	3	15	LF	1990
Force Main	8	1955	LF	1990
Standard Sanitary Sewer Manhole (4 ft diameter)	Depth (ft)			
Pre-cast Concrete	6	2	EA	1990
Pre-cast Concrete	8	3	EA	1990
Pre-cast Concrete	10	1	EA	1990
Pre-cast Concrete	12	1	EA	1990
Pre-cast Concrete	14	1	EA	1990
Pre-cast Concrete	16	1	EA	1990
Wastewater Lift/Pump Station	type			
Lift Station #1, 8 ft diameter x 22.5 ft deep	Pre-cast concrete	1	EA	1990
Lift Station #2, 3 ft diameter x 9 ft deep	Fiberglass	1	EA	1990
Lift Station #3, 3 ft diameter x 8.75 ft deep	Fiberglass	1	EA	1990
Wastewater Pump	(HP)			
Lift Station #1, Duplex Submersible	40	1	EA	1998
Lift Station #2, Simplex Submersible	½	1	EA	1990
Lift Station #3, Simplex Submersible	3	1	EA	1990
Notes:				
PVC = Polyvinyl Chloride				
LF = Linear Feet				
In = Inches				
FT = Feet				
HP = Horsepower				

Item	Size	Quantity	Unit	Approximate Year of Construction
EA = Each				

J4.2.2 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 Channel Islands ANG Station

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools

Wastewater Collection System Channel Islands ANG Station

Description	Quantity	Location	Maker
None			

J4.2.3 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 Channel Islands ANG Station

Qty	Description	Remarks
1	Wastewater Utility System Maps (Paper copy)	No AutoCAD

J4.3 Specific Service Requirements

The service requirements for the Channel Islands ANG Station Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

J4.4 Current Service Arrangement

?? **Current Provider:** Point Mugu Naval Air Station reads and bills the base for usage

?? **Average Annual Effluent (2000):** 43,103 kGal

?? **Maximum Monthly Effluent:** 7,590 kGal (August)

?? **Minimum Monthly Effluent:** 288 kGal (February)

?? Although the Channel Islands ANG Wastewater Collection System includes a wastewater meter, this meter was not working for all of FY 2000. As a result, wastewater total effluent is estimated based on 100% of water usage figures

?? The U.S. Forest Service uses the Channel Islands ANG Station water distribution system to fill up their fire fighting aircraft with water. In FY 2000, that amounted to approximately 1,012 kGal of water used that did not enter the wastewater system.

J4.5 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. No new wastewater meters are required.

TABLE 5

Existing Secondary Meters

Wastewater Collection System Channel Islands ANG Station

Meter Location	Meter Description
Lift Station 1 (Facility 1408) near the CE Building 1402	Waste Water Digital Flow Meter

J4.6 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.

J4.7 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.

J4.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Channel Islands ANG Station boundaries.

J4.9 Off-Installation Sites

No off-installation sites are included in the sale of the Channel Islands ANG Station Wastewater Collection System.

J4.10 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 Channel Islands ANG Station

Location (Building #)	Description
Building 801	The controls for Lift Station 2 are located inside the mechanical room of this building. They need to be relocated outside and adjacent to the lift station structure.

J4.11 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 Channel Islands ANG 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 7
System Deficiencies
Wastewater Collection System Channel Islands ANG Station

Project Location	Project Description
None	