

Attachment J-C18

Wastewater Facilities and Systems

General Information:

NASA/Dryden is a tenant of the Air Force Flight Test Center at Edwards AFB, but Dryden is generally responsible for the design, construction and maintenance of all its utility systems.

Sanitary Sewerage System:

Existing Conditions:

The sewage system collects sewage from all but a few remote buildings at the Center and delivers it to the Edwards Air Force Base system. The sewage from the Center is collected at seven ejector stations. It is then pumped into the Air Base manhole and outfall.

After the sewage enters the Air Base system, it is delivered to the sewage treatment plant, where it is subjected to primary and secondary treatments. The remaining water is disposed by evaporation at the ponding areas. The Air Base sewage system is designed for a capacity of 1,800,000 gallons per day. Current daily flows for both the Center and the Air Base averages a million gallons daily.

Sanitary Sewage System:

The existing sewage system consists of the following elements shown below:

Sewage System Data

Pipe Size (dia. inches)	Material	Length (meters)	Date Installed Year
3	Asbestos Cement	100	1975
3	Cast Iron	100	1953
4	PVC	100	1965
4	Cast Iron	200	1970
4	Vitrified Clay	300	1971
4	ABS	100	1991
6	Cast Iron	200	1966
6	Vitrified Clay	300	1966 & 1975
6	PVC	600	1984
8	PVC	600	1989, 1990, & 1992
8	Vitrified Clay	600	1968
8	Cast Iron	100	1953