

<u>Source of Sample</u>	<u>Potable</u>	<u>Non-Potable</u>
Springs	1	3
Wells	9	1
Total	10	4

- (2) Chlorinated water from distribution system.
Samples from all parts of the distribution system were satisfactory.

<u>Source of Sample</u>	<u>Potable</u>	<u>Non-Potable</u>
Cantonment	21	0
Old Post	5	0
Civilian Housing	1	0
Total	27	0

- (d) Chlorine Residual: Chlorine residuals were slightly higher than usual, due to the necessity for heavier chlorination of spring water during the first portion of the month:

PPM Chlorine residual: Max. 0.75 Min. 0.3, Aver. 0.46

(3) Sewage treatment:

- (a) General: All sewage was treated during the month. Efficiency of treatment and economy in use of chemicals were appreciably increased during the month due to the services of an enlisted man assigned to the treatment plant for temporary duty by the division training at the Post. Efforts are being made to have this enlisted man, who is a graduate chemist, transferred to SCU 1922 where his experience in laboratory work would be of great value.
- (b) Flows treated: Because of errors in adjustment of metering equipment during the past month, the figures given below should be regarded as approximate only.

	<u>Plant No. 1</u>		<u>Plant No. 2</u>	
		<u>MGD</u>		<u>MGD</u>
Average rate				
Maximum rate	1.3	"	2.5	"
Minimum rate	0.1	"	0.2	"

(c) Efficiency of treatment: (Monthly Averages)

	<u>Plant No. 1</u>			<u>Plant No. 2</u>		
	<u>Susp.</u>	<u>Solids</u>	<u>BOD</u>	<u>Susp.</u>	<u>Solids</u>	<u>BOD</u>
Raw Sewage	169 ppm		228 ppm	126 ppm		238 ppm
Primary effluent	93 "		102 "	65 "		108 "
Reduction	45 %		55 %	48 %		53 %

(4) Milk:

- (a) General: Milk for practically all of the units is purchased by contract from a dairy in Tucson. The Post Dairy produces milk served by the Post Exchanges and also supplies milk to a portion of the hospital.
- (b) Post Dairy: Milk from the Post Dairy was satisfactory during the past month. Needed repairs to the dairy barn, equipment, and premises have been started.
- (c) Milk purchased from commercial dairy: Samples of this milk taken during the past month have shown an improvement in bacterial plate count. Phosphotase tests have not been satisfactory, however. Quantity of deliveries and refrigeration in transit have been somewhat improved.

(5) Garbage and Waste Disposal:

- (a) Garbage: About 80% of the properly separated edible garbage is sold for hog feed. The remainder, together with inedible garbage is buried in trenches in a satisfactory manner. Garbage cans are washed at the incinerators located near the garbage pits.
- (b) Combustible Wastes: Combustible wastes are burned at the two post incinerators. These incinerators, which have no storage space available, are inadequate to handle the peak loads of waste so that some of the material must be burned on a nearby dump which is very difficult to clean up properly. Efforts are being made to decrease the peak load by better spacing of deliveries to the incinerators and by increasing the effort to salvage usable material.

(6) Insect and Rodent Control:

- (a) Mosquitoes: A few mosquitoes (Aedes) have been found on the Post. Most of the potential breeding places have been drained.
- (b) Roaches: Roaches are prevalent in many of the mess halls and, to some extent, in barracks. The current issue of QM insecticide powder (a mixture of pyrethrm and sodium fluoride) is effective, but the allowance of 2 lbs. per 1000 men per month should be considerably increased to permit effective control at this station.
- (c) Bedbugs: During the past two months there has been

a great increase in infestations of bedbugs. In September, 15 buildings were fumigated using hydrocyanic acid discoids and 17 additional buildings are listed for fumigation in October. Heat treatment was tried, but found not effective with existing heating systems. Orders have been issued to all units requiring weekly inspection of bedding and rigid local control measures.

(d) Rodents: There is no rodent problem at this Post.

(7) Food supplies: Food supplies during the month were generally satisfactory. For the seventh consecutive month no poultry has been issued and this has caused some dissatisfaction. See attached Supplementary Report No. 1 for more complete analysis of food and nutrition.

(8) Other Phases of Environmental Sanitation: Housing, drainage and general environmental sanitation are satisfactory. Little use was made of the two swimming pools during the past month and they are now closed.

b. PERSONAL HYGIENE:

Personal hygiene is at its usual level at this post. The major problem, Venereal Disease, is covered in Supplementary Report No. 2.

c. ACUTE COMMUNICABLE DISEASE:

The incidence of all communicable diseases is satisfactorily low. For detailed report see Supplementary Report No. 3.

d. MONTHLY VETERINARY SANITARY REPORT:

See Supplementary Report No. 4.

e. ADMINISTRATIVE MEASURES AND DEVICES:

None.


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Supplementary Reports
No. 1, 2, 3, and 4.