

City of Grand Junction, Colorado 81501-2668 250 North Fifth Street

April 17, 1987

To: James Shanks, Public Works and Utilities Director

From: Greg Trainor, Utility Manager

Re: Quarterly Report: First Quarter 1987: Wastewater

The following is a brief quarterly report concerning the operations of the Wastewater division within the 201 Area for the first quarter of 1987.

## A. INTRODUCTION

major activity of the Wastewater operation during The first quarter was the implementation of the new sewer rate. Public forums were held in January with enactment of the rate in February. Special meetings were held with the City Council/County Commission in February as well as with the Special Sanitation Districts who contract with the Wastewater operation for services. Mid February saw activity increase on feasibility of refunding the 1980 Sewer bonds to raise the funds for front ending construction costs for sewer collection system extensions. This activity will be ongoing the Summer. In related business, priorities have been identified as to the areas of the 201 system that can be easily and economically added to the system in the near future. Close coordination with the Health Department is being attempted septic failures and possible solutions to the problems. This has been successful-the coordination that is. Solutions really will not come until the Sewer fund has some money to assist in frontending costs and/or improvement districts are created for the larger projects. From an operational stand point, attention is being given to the collection system and the programming of scheduled preventative maintenance within the collection system. On February 23, Larry Brown and I met with the Central Grand Valley Sanitation District and had a free flowing discussion as to their concerns and problems. Larry's program for scheduled collection system maintenance was well received. This involves the division of the collection system up into sixty geographic areas with preventative maintenance to take place in each area on a scheduled basis. However, CGVSD is still concerned about their rates and how they relate to the work that they do for themselves. This is being addressed.

#### B. FINANCIAL

First quarter summaries of the financial condition of the Fund are provided as follows:

Revenues: Account Title	Est.87	YTD	% left			
Sewer use charges	2,655,000	653,259	75%			
Sewer tap charges	100,000	12,675	87%			
Septic Tank Disposal	32,000	6,383	80%			
Expenditures:						
Operations and Maint	640,735	63,826	90%			
A and B Bonds	861,564	0	100%			
Persigo Plant	1,173,476	212,182	82%			

### C. TREATMENT

The Treatment operation has proceeded without any permit violations during the first quarter. Progress is being made on the odor control program. Levels of H2S within the beltpress room are within permissible levels with the introduction of ferric chloride into the sludge. Ferric chloride is also being placed into the anerobic digesters and the sludge blending tank with positive results. The notion of placing hoods over the belt presses has been abandoned with the success of the ferric injection. The air jump construction over the Persigo Wash siphon to pull H2S into the headworks building and subsequent scrubbing is under design with construction to be completed within four weeks.

## COLLECTIONS

The collections operation has been touched on previously. However, looking ahead to the 1988 budget we are considering and gathering data to support a request for an additional crew and equipment for the system. At present the preventative maintenance work will take six(6) years for complete cleaning of the entire system. A rate of 40 miles per year by one 2-man crew is the present norm. The collection system within the 201 area is 314 miles. Of the 314 miles, Central Grand Valley makes up 71 miles or 23% of the system, Fruitvale is 24 miles or 8% of the system, Orchard Mesa is 34 miles or 11% of the system, and the system balance is 185 miles or 58% of the system. We maintain 256 of the 314 miles. Central Grand Valley makes up 71 miles or 28% of the system we maintain with the balance of the system at 185 miles or 72%. During 1986, one 2-man crew completed 40 miles of line cleaning and preventative maintenance. Fifty percent of that took place in the Central Grand Valley system even though they account for 28% of the line. Under the new method of programming preventative maintenance, CGVSD will receive the same amount of preventative maintenance as they have line to the

### D. ISSUES OF INTEREST

Refunding and new services is the top Spring priority for the administration. Odor control work is the top priority for the treatment plant. Flow analysis of the interceptors is continuing with some interim information being available at the end of the second quarter after the irrigation season begins. The industrial pretreatment program completed its second year activity with 22 non-sampling inspections being conducted. There were two violations by liquid waste haulers. Priorities for 1987 will be the development of defensible numerical effluent limits and the development of surcharge rates for those industries that exceed the BOD, TSS, and O&G limits. The sludge to land application program is proceeding with submittal of a letter of intent sent to the State of Colorado application of sludge for experimentation and application. Sixty-five land owners have been surveyed for their terest in the program and their assistance in locating groundwater sampling locations installed by the Eureau of Reclamation as part of the salinity control program. Work is also progressing toward meeting the objective of billing commercial customers on the basis of the amount of water they use. Data processing is working with Ute water's data cessing section on the interface problems between data processing equipment.

# E. NEXT QUARTER

Work in progress during the first quarter as reported above should be completed. The end of the second quarter will see a long range repair and replacement program developed for restarted plant, buildings, piping and equipment. The Wastewater goals and objectives are attached.

	E.ALMATS AND SECIDE ON A CROSS CONNECTION/ SACKFLOW PREVENTION PROGRAM  E) REVIEW EXISTENCE AND PREVIOUS WORK  b) PROGRAM DEVELOPMENT  c) OREATE BUDGET ESTIMATE  d) REVIEW DATA FOR DECISION  e) RECRUITMENT  f) IMPLEMENTATION	501 501 615 1031 101
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2.	DEVELOP LONG RANGE REPAIR AND REPLACEMENT MAINTENANCE SCHEDULE OF PLANT BUILDINGS, PIPING AND EGUIPMENT a) INVENTORY OF PLANT BUILDINGS, PIPING AND EQUIPMENT b) ESTIMATED LIFE WITH CURRENT DAM	615 615
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