

AMENDMENT NO. 5 TO  
ENGINEERING AGREEMENT WITH  
THE CITY OF GRAND JUNCTION AND MESA COUNTY, COLORADO  
FOR CONSULTING SERVICES  
FOR THE DEVELOPMENT OF A SEWER USE ORDINANCE,  
USER CHARGE SYSTEM, INDUSTRIAL COST RECOVERY SYSTEM,  
AND PRETREATMENT PROGRAM

This Amendment No. 5 to the Engineering Agreement dated September 23, 1976 between the CITY OF GRAND JUNCTION and MESA COUNTY, COLORADO and HENNINGSON, DURHAM & RICHARDSON, INC. OF COLORADO is for Consulting Services to assist the City/County in the development of a Sewer Use Ordinance, User Charge System, Industrial Cost Recovery System and Pretreatment Program.

GENERAL

Henningson, Durham & Richardson will provide consulting services to assist with the development of the above named systems. A preliminary Scope of Work has been outlined below, however, because of the nature of this project, a final Scope of Work cannot be defined until the availability of data from all existing sanitation districts to be served by the Persigo Wash Wastewater Treatment Plant has been evaluated and the extent of the City/County's needs have been determined.

SCOPE OF WORK

It is estimated that the Engineer will be required to perform, at a minimum, the following tasks for each listed item:

A. Sewer Use Ordinance

A Sewer Use Ordinance will regulate the use of sanitary and storm sewers. Tasks to be performed include:

1. Collect data to include all existing ordinances from involved sanitation districts.
2. Evaluate existing ordinances.
3. Develop Sewer Use Ordinance (may be combined with User Charge Ordinance).

## B. User Charge System

A User Charge System will be applied to all recipients of wastewater treatment services in order to recover operation and maintenance expenses of the Persigo Wash Wastewater Treatment Plant. Tasks to be performed include:

1. Collect data including existing ordinances, flow volumes, land areas, number of hook-ups, etc.
2. Evaluate existing ordinances.
3. Develop an itemized list of estimated annual operation and maintenance costs.
4. Document current average domestic flow and loadings per residence.
5. Document current average flow and loadings per non-residential user.
6. Assist in developing a rate schedule and surcharge rate schedule.
7. Provide a breakdown of total annual revenue to be collected.
8. Develop User Charge Ordinance (may be combined with Sewer Use Ordinance).

## C. Industrial Cost Recovery System

An Industrial Cost Recovery System will be designed to provide for equitable capital cost recovery from industrial users. Tasks to be performed include:

1. Identify industrial users in conjunction with City/County.
2. Develop an industrial data base.
3. Classify user groups and identify design parameters.
4. Determine the industrial cost recovery cost base.
5. Compute the industrial cost recovery payments.

6. Develop an industrial cost recovery billing procedure.
7. Establish funds' management.
8. Develop an Industrial Cost Recovery Ordinance.
9. Complete Appendix A, Description of Industrial Cost Recovery System.
10. Prepare a resolution to implement the industrial cost recovery system.
11. Develop Appendix B, Opinion of Legal Counsel.
12. Submit complete industrial cost recovery system to EPA for approval.

D. Pretreatment Program

A pretreatment program will be developed to regulate industrial discharges through compliance with categorical pretreatment standards. Tasks to be performed include:

1. Inventory industrial and commercial wastes by use of a survey.
2. Evaluate legal authority.
3. Evaluate financial programs and revenue sources.
4. Determine required technical information.
5. Develop Industrial Waste Ordinance.
6. Design a monitoring enforcement program.
7. Determine pollutant removals at existing treatment works.
8. Determine tolerance of treatment works to pollutants.
9. Recommend purchase of monitoring and laboratory equipment.
10. Recommend type of facilities on public property to monitor industrial wastes.

RECEIVED  
OCT 12 1979  
OFFICE OF GRANTS  
REGION VIII

E. Administration

The Engineer will perform the following administrative tasks in conjunction with the development of the above systems:

1. Coordination and consultation with the City/County.
2. Coordination and consultation with the Colorado Department of Health and EPA.
3. Develop schedules of compliance.
4. Preparation and submittal of grant amendments.

CITY/COUNTY PARTICIPATION

The development of a Sewer Use Ordinance, User Charge System, Industrial Cost Recovery System, and Pretreatment Program will require City/County input in several areas. It is expected that the City/County will assist the Engineer in performing the following tasks:

A. Sewer Use Ordinance

1. Provide the Engineer with all applicable ordinances.
2. Determine if the Sewer Use Ordinance should be incorporated into the User Charge Ordinance.

B. User Charge System

1. Provide the Engineer with all applicable ordinances.
2. Provide the Engineer with necessary plant records to include costs for operation and maintenance.
3. In conjunction with the Engineer develop user charge rates or hire a certified public accountant to develop said rates.
4. Determine if the User Charge Ordinance is to be combined with the Sewer Use Ordinance.

C. Industrial Cost Recovery System

1. Identify and classify industrial users in the system with supporting data as required by EPA.

2. Assist the Engineer as needed in the development of the Industrial Cost Recovery Ordinance.

D. Pretreatment Program

1. Inventory industrial and commercial users by use of the survey form prepared by the Engineer.
2. Determine pollutant removals at the wastewater treatment plant.
3. Assist in the development and implementation of a monitoring enforcement program.
4. Assist in the selection of monitoring and laboratory equipment for use by the wastewater treatment plant.
5. Conduct sampling and laboratory analyses as required.
6. Assist the Engineer as needed in the development of the Pretreatment Program.

E. Administration

1. Coordination and consultation with individual sanitation districts and other connector agencies.
2. Review and comment on draft documents prepared by the Engineer.
3. Issue public notices and arrange for public meetings and/or hearings as required by EPA.
4. Conduct a legal review of final documentation prior to adoption.

COMPENSATION

For all services described herein, the Engineer shall receive compensation monthly on a cost-plus-fixed-fee method. The estimated maximum fee

will be \$28,000.00, based on the Engineer's judgment of the extent of work effort required. Attached EPA Form 5700-41 states the engineering cost breakdown for consulting services.

HENNINGSON, DURHAM & RICHARDSON, INC.  
OF COLORADO

By *W. J. ...*

Date *Aug 30, 1979*

ACCEPTANCE

The foregoing proposal is hereby accepted.

CITY OF GRAND JUNCTION, COLORADO  
and  
MESA COUNTY, COLORADO

By *James E. Wyzanski*

Date *9-7-79*

Attest:

*Neva B. Lockhart, CMC*

Date *9-7-79*