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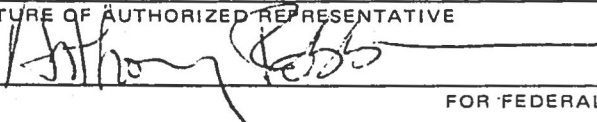
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" COLORADO WATER QUALITY CONTROL

STATE PROGRAM PLAN

FY 1977 "



APPLICATION FOR FEDERAL ASSISTANCE <i>(Nonconstruction Programs)</i>		1. State Clearinghouse Identifier 76-260000-059	
PART I		2. Applicant's Application No.	
3. Federal Grantor Agency Environmental Protection Agency Organizational Unit Administrative Office Region VIII Street Address - P.O. Box 1860 Lincoln Street City State Zip Code Denver, Colorado 80203		4. Applicant Name Colorado Department of Health Department Division 4210 East 11th Avenue Street Address - P.O. Box Denver Denver City County Colorado 80220 State Zip Code	
5. Descriptive Name of the Project State Water Pollution Control Program Grant			
6. Federal Catalog No. 66.419		7. Federal Funding Requested \$375,000	
8. Grantee Type <input checked="" type="checkbox"/> State, _____ County, _____ City, _____ Other (Specify)			
9. Type of Application or Request <input checked="" type="checkbox"/> New Grant, _____ Continuation, _____ Supplement, _____ Other Changes (Specify)			
10. Type of Assistance <input checked="" type="checkbox"/> Grant, _____ Loan, _____ Other (Specify)			
11. Population Directly Benefiting from the Project 2,000,000		13. Length of Project 12 Months	
12. Congressional District a. CD-1 b. Statewide		14. Beginning Date October 1, 1976	
15. Date of Application			
16. The applicant certifies that to the best of his knowledge and belief the data in this application are true and correct, and that he will comply with the attached assurances if he receives the grant. The applicant agrees that if a grant is awarded on the basis of the application or any revision or amendment thereof, he will comply with all applicable statutory provisions and with the applicable terms, conditions and procedures of the Environmental Protection Agency grant regulations (40 CFR Chapter I, Subchapter B) and of the grant agreement.			
TYPED NAME Anthony Robbins, M.D., M.P.A.		TITLE Executive Director	TELEPHONE NUMBER
SIGNATURE OF AUTHORIZED REPRESENTATIVE 		AREA CODE 303	NUMBER 388-6111
		EXT. 315	
FOR FEDERAL USE ONLY			
EPA Application Identification Number _____		Date received in EPA _____	

PART II
PROJECT APPROVAL INFORMATION

Item 1.
Does this assistance request State, local, regional, or other priority rating? _____ Yes No
Name of Governing Body _____
Priority Rating _____

Item 2.
Does this assistance request require State, or local advisory, educational or health clearances? _____ Yes No
Name of Agency or Board _____
(Attach Documentation)

Item 3.
Does this assistance request require clearinghouse review in accordance with OMB Circular A-95? _____ X Yes _____ No
(Attach Comments)

Item 4.
Does this assistance request require State, local, regional or other planning approval? _____ Yes No
Name of Approving Agency _____
Date _____

Item 5.
Is the proposed project covered by an approved comprehensive plan? _____ X Yes _____ No
Check one: State
Local
Regional
Location of Plan _____

Item 6.
Will the assistance requested serve a Federal installation? _____ Yes No
Name of Federal Installation _____
Federal Population benefiting from Project _____

Item 7.
Will the assistance requested be on Federal land or installation? _____ Yes No
Name of Federal Installation _____
Location of Federal Land _____
Percent of Project _____

Item 8.
Will the assistance requested have an impact or effect on the environment? _____ X Yes _____ No
See instructions for additional information to be provided.

Item 9.
Has the project for which assistance is requested caused, since January 1, 1971, or will it cause, the displacement of any individual, family, business, or farm? _____ Yes No
Number of:
Individuals _____
Families _____
Businesses _____
Farms _____

Item 10.
Is there other related assistance on this project previous, pending, or anticipated? _____ Yes No
See instructions for additional information to be provided.
Effects will be beneficial by reducing water pollution.

PART III—BUDGET INFORMATION

SECTION A—BUDGET SUMMARY

GRANT PROGRAM, FUNCTION OR ACTIVITY (a)	FEDERAL CATALOG NO. (b)	ESTIMATED UNOBLIGATED FUNDS		NEW OR REVISED BUDGET		
		FEDERAL (c)	NON-FEDERAL (d)	FEDERAL (e)	NON-FEDERAL (f)	TOTAL (g)
1. State Water Pollution Program Grant	66.419	\$	\$	\$ 375,000	\$ 230,000	\$ 605,000
2.						
3.						
4.						
5. TOTALS		\$	\$	\$ 375,000	\$ 230,000	\$ 605,000

SECTION B—SCHEDULE A BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				TOTAL (5)
	(1)	(2)	(3)	(4)	
a. Personnel	\$	\$	\$	\$	\$
b. Fringe Benefits					
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual					
g. Construction					
h. Other					
i. Total Direct Charges					
j. Indirect Charges					
k. TOTALS	\$	\$	\$	\$	\$
7. Program Income	\$	\$	\$	\$	\$

SECTION B-SCHEDULE B-BUDGET CATEGORIES			
6. Program Elements	FUNDING		(3) MAN-YEARS
	(1) FEDERAL	(2) NON-FEDERAL	
a. Operation and Maintenance	\$ 34,875	\$ 21,390	5.5
b. Permits	58,500	35,880	9.0
c. Planning (XXXXXXXXXXXXXXX)	30,375	18,630	4.0
d. Monitoring	43,825	26,910	7.0
e. Enforcement	12,375	7,590	2.0
f. Training	19,875	12,190	1.0
g. Administration	107,250	65,780	8.0
h. Other	40,925	26,070	6.0
i. Total Program Elements Municipal Facilities Program Management	\$ 27,000	\$ 16,560	6.0
j. STATE TOTAL	\$ 375,000	\$ 230,000	48.5

INDIRECT COST RATES:

7/1/76 to 6/30/77	2.1% Flow Through Funds
7/1/76 to 6/30/77	17.2% Programs Administered Off-site
7/1/76 to 6/30/77	20.6% Programs Administered On-site

SECTION C--NON-FEDERAL RESOURCES					
(a) GRANT PROGRAM	(b) APPLICANT	(c) STATE	(d) OTHER SOURCES	(e) TOTALS	
8. State Water Quality Control Program	\$ 230,000	\$	\$	\$ 230,000	
9.					
10.					
11.					
12. TOTALS	\$ 230,000	\$	\$	\$ 230,000	
SECTION D--FORECASTED CASH NEEDS					
	TOTAL FOR 1st YEAR	1st QUARTER	2nd QUARTER	3rd QUARTER	4th QUARTER
13. Federal	\$ 375,000.	\$ 93,750	\$ 93,750	\$ 93,750	\$ 93,750
14. Non-Federal	230,000	57,500	57,500	57,500	57,500
15. TOTALS	\$ 605,000	\$ 151,250	\$ 151,250	\$ 151,250	\$ 151.250
SECTION E--BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) GRANT PROGRAM	FUTURE FUNDING PERIODS (YEARS)				
	(b) FIRST	(c) SECOND	(d) THIRD	(e) FOURTH	
16.	\$	\$	\$	\$	
17.					
18. N/A					
19.					
20. TOTALS	\$	\$	\$	\$	
SECTION F--OTHER BUDGET INFORMATION <i>(Attach Additional Sheets If Necessary)</i>					
21. Direct Charges:					
22. Indirect Charges:					
23. Remarks:					

STATE PLANNING AND BUDGETING

617 State Services Building
Denver, Colorado 80203
303-892-3317

RICHARD D LAMM
Governor

ALAN N. CHA
Executive Dir

DATE: August 25, 1976

SUBJECT: NON-STATE ASSISTANCE 76-260000-059

SIGNOFF LETTER

TO: Dept. of Health
ATTN: John L. O'Neal

Comments received from:
Larimer - Weld Regional Council of Governments
Dist. 10 Regional Planning Commission
Upper Arkansas Area Council of Governments

The State Clearinghouse has reviewed the notification and comments pertaining to:
State Water Pollution Control Program Grant

As a result, it has been determined that:

- The proposed project is in accord with plans, programs and objectives of this State as of this date.
- The following should be considered:

(A copy) (copies) of comments that are at variance with our position (is) (are) attached.

A copy of this form must be attached to your application or submitted to the funding agency if the application has been forwarded already.

~~Please forward a copy of your finalized application to this office.~~



State Clearinghouse

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COLORADO WATER QUALITY CONTROL STRATEGY

FY-1977

The primary planned objective of the FY-1977 Colorado Water Quality Control Division is to emphasize those elements of the program which are the most vital to achieve the 1977 and 1983 goals of the Federal Water Pollution Control Act. Among the important steps to be taken toward that objective during FY-1977, and to meet the deadlines imposed by State and Federal law are the issuance of permits for all point discharges in the state, or the reissuance of all expired permits, the management of a sound construction grant program in accordance with the priority system for publicly owned wastewater treatment facilities, and the coordination of the designated area-wide water quality management plans and activities in Colorado.

ADMINISTRATION STRATEGY

The objective of the Division's administrative section is to coordinate and integrate the program elements and activities so that the maximum progress toward meeting Colorado's immediate and long-range water quality goals are realized. The administrative process will emphasize the timing and scheduling of the program elements.

In order to carry out the Division's activities more effectively, the state is divided geographically into six districts. Water quality control activities in each of the districts is carried on by a district engineer. District headquarters are established in the four outlying dis-

tricts of the state with offices in Grand Junction, Fort Collins, Pueblo, and Montrose. The two remaining districts are handled by engineers with offices in Denver. Three engineering technicians also work out of district offices. All other Division staff members are located in the Denver office.

The Water Quality Control Division is organized as follows:

1. Administrative services - responsible for coordination of program activities, fiscal management, program management, personnel, legal, clerical, and other administrative services.

2. Water Quality Management Planning - responsible for long and short term planning for water quality planning for the control of water quality in Colorado.

3. Technical Services - responsible for municipal facilities grants management, plans and specifications review, O&M manual review, facilities inspections, training, and other relative activities. Field services are under the direction of the Technical Services Section.

4. Monitoring and Enforcement - responsible for ambient monitoring, compliance monitoring, special surveys, permit issuance, and initiating formal and informal enforcement actions.

Water Quality Standards Review

Early this year the Colorado Water Quality Control Commission appointed a committee to propose revisions to the state's water quality standards. The standards committee, using the EPA's draft guidelines, has presented its report to the Commission and the Commission is now reviewing the revisions to the standards. The Commission has planned an oversight hearing on its proposed standards revisions in December, 1976. There

is not expected to be any substantial difference in the proposed standards and EPA's guidelines.

By this action the Commission will have complied with that section of PL 92-500 requiring that the state review its water quality standards within each three-year period. Because of Colorado's administrative procedures, the revised standards cannot be promulgated by January, but we anticipate they will be adopted before June of 1977.

Decentralization and Coordination

One of the most difficult problems facing the Division at this time is that of attempting to carry on our current program level of activities on the current rate of state and federal funding. We are rapidly approaching a critical stage in the development of water quality control program in Colorado.

In recent times the Division has agreed to accept the responsibility for the NPDES permit and enforcement system, the management of the construction grant program - including plans and specifications reviews, change order reviews, O&M manual reviews, and we assist on 201 plans reviews - and develop the construction grant priority list. This year the Division will set up a quality assurance program, and the Division will take on a large portion of the 208 areawide planning administration.

Also, recent revisions to state law require the Division to make site evaluations of proposed municipal sewage collection construction projects and reclamation permits. More detailed field inspections for permits and more complete grants administration are required. Because of the increased work load in recent years, we constantly must compromise between quality of work and the quantity of work output.

The work load of the Division has increased rapidly over the past two years in response to state mandates and EPA requests to take on added responsibilities.

Because of the inflationary spiral, program operational expenses and personnel costs have increased rapidly. Federal program costs have not risen proportionally in recent years to provide funds for salary increases, rises in health insurances and retirement benefits of Division personnel, or increases in indirect overhead costs withheld from federal allocations. Annual appropriations and grant allocations have remained nearly constant in recent years while the work load, personnel costs, and operational expenses have continued to increase.

In order to continue the present program and maintain the current level of staff and services, more program grant funds must be allocated for these growing costs. If adequate funding is not made available in FY 1978, the Division cannot accept additional delegated functions. In fact, some of the current obligations will have to be discontinued, and the Division's staff will have to be reduced.

The Division does not plan to expand its program in FY 1977. For several years the Division has proposed the addition of a chemist and an engineer to provide technical assistance to the municipal facilities. This team would be responsible for increasing the operational efficiency of treatment facilities throughout the state. The concept was tried on an experimental basis in 1973, and it proved to be a valuable means of upgrading the operation and maintenance of treatment facilities. These positions have not been funded by the General Assembly as requested on several occasions. Perhaps such technical assistance could be provided through EPA funding or cooperative effort.

The Colorado Water Quality Control Act charges the Division with the control of groundwater pollution. Groundwater pollution control is emphasized by the Federal Safe Drinking Water Act, as well. The Division has repeatedly asked for state funds to fund preliminary work for implementation, but these funds have been denied. Again, this may be another area where EPA resources or cooperation would be helpful.

Public Participation

The Commission and the Division provide all practical means of encouraging participation by interested citizens, groups, organizations and agencies in the decision relating to water quality planning, regulations and control. Public mailing lists are maintained to advise these interests of public hearings, formal and informal meetings, and any substantive water quality control actions and activities.

In keeping with the state and Federal statutes, water quality standards and regulations are taken to public hearings.

The Division holds numerous open citizens committee meetings on various phases of the water quality management plans and public hearings on the basin plans. An advisory committee meets to discuss the Water Quality Program Plan, and a public hearing is convened to provide input to the proposed construction grant priority list. The advisory committee is composed of representatives of the Colorado Municipal League, the League of Women Voters, the Rocky Mountain Center on Environment, the Colorado Open Space Council, and Trout Unlimited. All meetings and hearings are open to the public and public comment on the Division's plans and activities.

The Commission's regular and special meetings are open to the public as well as the Division's enforcement hearings.

The Division maintains a mailing list of governmental agencies, private organizations, and interested individuals who receive notices of all formal hearings and pertinent Commission and Division actions. Other special mailing lists in specific water quality control actions are developed and used.

	1	2	3	4	5	6	7	8	9
	FEDERAL FY 106 GRANT FUNDS	NON-FEDERAL FY 106 GRANT FUNDS	TOTAL FY 106 GRANT FUNDS	FEDERAL STATEWIDE FY 208 GRANT FUNDS	NON-FEDERAL STATEWIDE FY 208 GRANT FUNDS	TOTAL STATEWIDE FY 208 GRANT FUNDS	TOTAL BUDGET (INCLUDING ALL OTHER FEDERAL WATER ACTIVITY FUNDS, e.g. Water Supply)	WPC MAN YEARS	WPC PERSONNEL CDSTS (sub Total of Col. 7)
A. MUNICIPAL FACILITIES PROGRAM MANAGEMENT	27,000	16,560	43,560					106 6.0	208 57,248
B. PERMITS	58,500	35,880	94,380					9.0	134,116
C. COMPLIANCE ASSURANCE & MUNICIPAL O & H	34,875	21,390	56,265					5.5	77,175
D. ENFORCEMENT	12,375	7,590	19,965					2.0	26,225
E. PLANNING	30,375	18,630	49,005	91,200	182,400	273,600		4.0	64,455
F. NON-POINT SOURCES MANAGEMENT	9,690	---	9,690					.5	
G. MONITORING	43,875	26,910	70,785					7.0	93,087
H. MANPOWER DEVELOPMENT AND TRAINING	19,875	12,190	32,065					1.0	42,167
I. PUBLIC PARTICIPATION	6,375	3,910	10,285					1.0	13,575
J. ADMINISTRATION	107,250	65,780	173,030					7.0	227,546
K. OTHER	23,310	20,240	43,550					4.5	70,014
L. TOTAL	375,000	230,000	605,000					48.5	795,614

ADDITIONAL DATA

- FUNDS PLANNED TO BE DERIVED FROM CHARGES FOR THE PROCESSING OF MUNICIPAL CONSTRUCTION GRANTS \$ _____
- FUNDS PLANNED TO BE DERIVED FROM RETENTION OF A # OF THE STATE'S TOTAL TITLE II CONSTRUCTION ALLOCATIONS \$ _____
- ESTIMATED UNOBLIGATED FY 76 106 GRANT AWARD _____, AND PLANNED CARRYOVER TO FY 77, \$ 64,733
- FUNDS PLANNED FOR MWTP PERSONNEL TRAINING & DEVELOPMENT \$ _____. SUBTOTALS OF PROGRAM II. COLUMN 1 \$ _____
COLUMN 2 \$ _____
COLUMN 3 \$ _____
- FUNDS PLANNED TO BE RECEIVED FROM MANAGEMENT COORDINATION SERVICES TO AREAWIDE PLANNING AGENCIES UNDER 208 REGULATIONS. \$ _____
EPA OBJECTIVES NOT RELATED TO A STATE PROGRAM ELEMENT ABOVE SHOULD BE INCLUDED, IF STATE COSTS ARE ENTAILLED, IN THE PROGRAM ELEMENTS:

OBJECTIVES

PROGRAM DELEGATIONS TO THE STATE
 HWQSS
 EIS REVIEWS & PREPARATION
 TECHNICAL STUDIES & SUPPORT
 WATER SUPPLY

PROGRAM ELEMENTS

ANY A - I, AS APPROPRIATE
 G
 A, B &/or E
 ANY A - I, AS APPROPRIATE

MUNICIPAL FACILITIES PROGRAM MANAGEMENT STRATEGY

Municipal sewage treatment plant construction aimed at improving effluent quality, will go forward at as fast a pace as possible. Limited Federal construction grant funds are allocated to the communities in accordance with a priority list. Generally, proposed construction projects at the top of the list are those in areas where water pollution problems are most serious, and where existing high quality waters are threatened by development and growth. When Colorado is notified that Federal construction grant funds are available from the Talmadge-Nunn Amendment, these funds will be allocated in accordance with the existing state construction grant priority list (pages 21-28).

During the plan year the Division will continue to carry complete responsibility for reviewing the plans and specifications for proposed publicly-owned wastewater treatment facilities. This review process in the Division is not confined to federally funded projects. Plans for all domestic waste treatment projects will be reviewed, as required by the State Act.

Also, the Division will continue to review the operations and maintenance manuals for federally funded municipal wastewater treatment facilities during the plan year.

O&M Inspections

There are 91 municipal wastewater treatment facilities on Colorado's major dischargers list. EPA inspection form 7500-5 will be used when making all O&M inspections of major dischargers.

By the close of FY 1976, the Division completed O&M inspections on 48 of the major dischargers in the state. Current plans

are to inspect the remainder (43) of the majors in FY 1977. In addition, we plan to do O&M inspections on those major municipal facilities that have serious operational problems, estimated to number 10 to 15.

The Division will try to make O&M inspections on those major and minor grant project facilities that have become operational in the past three years (not included in the above).

Also, as suggested in the guidelines, the Division will attempt to make O&M inspections on 5 to 10 percent of the minor facilities - estimated at 15, including the 3-year Federal grant projects.

The total number of O&M inspections to be attempted in FY 1977 is estimated at 85.

It must be realized that the O&M objectives for the coming fiscal year may be totally unrealistic to attain in light of the other duties and commitments placed on the Division's field personnel. The Division will make every effort, however, to accomplish these goals without compromising its other responsibilities.

O&M inspections will be conducted jointly with EPA personnel whenever schedules can be arranged.

Reconnaissance Inspections

There are 187 municipal wastewater treatment facilities in Colorado on the minor dischargers list. The Division plans to make reconnaissance inspections on all of these facilities in FY 1977, in addition to the major facilities not on the O&M inspection list. The total reconnaissance inspections to be attempted by the Division in the plan year is about 232. Reconnaissance inspections will be recorded on state inspection forms.

Industrial Inspections

The Division plans to inspect all of the main industrial dischargers (about 42), and as many of the industrial dischargers on the minor's list as possible. Industrial and non-municipal facilities will be recorded on state inspection forms.

Technical Assistance Demonstrations

Municipal facilities that have serious wastewater treatment problems will be provided technical assistance by the Division's District Engineers as time is available. This service will be continued in FY 1977 at about its current level. Technical assistance demonstration efforts will be conducted jointly with EPA personnel whenever it is practical to do so.

Manpower Development and Training

The training and development of wastewater treatment facility operators will be carried on with an intensity equal to, or greater than during the past year.

The program will be based on the established 12-week training course using the EPA manual prepared by Sacramento State College. Five courses are planned for FY 1977 at Montrose, Cortez, Durango, Idaho Springs, Fort Collins, and Flagler. The Division expects to train about 110 plant operators through these courses.

Also, six to twelve short courses are planned for operators who have recently completed the 12-week course. These courses will be of one week duration with the purpose of fulfilling the special needs of operators in particular areas of the state. The short courses are not yet scheduled, nor have the locations been determined at this time.

Six 2-day seminars are planned for advanced operators dealing with special wastewater treatment problems. Times and locations for holding these seminars are not yet determined.

The Division will cooperate with, and take an active part in the Rocky Mountain Water and Wastewater Plant Operators School sponsored each spring by the University of Colorado in Boulder. Two courses are scheduled for FY 1977 - the fundamentals course and the advanced course. The two-day seminars mentioned previously will supplement the Rocky Mountain Water and Wastewater course for advanced operators.

On-the-job training follow-up for the Sacramento courses conducted during the FY 1976 transition quarter by Community College of Denver will be completed during the early part of FY 1977.

Certification

Certification of water and treatment plant operators is mandatory in Colorado. The State Water Quality Control Act, as revised in 1973, created a certification board to direct the certification program. One of its duties is to establish a minimum class of certified operators for each treatment plant by January 1, 1976. The Board has not enforced this provision because of the time required to complete the required administrative procedures. The deadline date, therefore, has been extended by the Board.

Certification examinations have been conducted, however. In FY 1976 the Division has assumed the administration of the program. Examinations for certification are being held in September and March each year. In FY 1976, 385 wastewater treatment plant operators were certified compared with 207 in FY 1975. It is anticipated that certification will level out

at about 250 annually beginning in FY 1977.

Spill Prevention and Control

Spill prevention and control in Colorado has been greatly improved by the coordinated efforts of Division personnel and personnel of other state and federal agencies. Colorado law makes the reporting of spills mandatory. Reports of spills can be made to the Division on a 24-hour basis. Also, privately-owned companies are becoming more aware of the spill reporting requirements, and in many cases initiate their own clean-up activities. Greater efforts are being made to take preventative measures against the occurrence of spills.

No attempt to expand the spill program in Colorado is expected during the plan year, partly because current spill procedures are generally effective, and because of manpower restrictions. The program will continue on the FY 1976 level.

WATER QUALITY CONTROL PLANNING STRATEGY

Phase 1 of the basin planning process was completed during FY-76. Nine basin and two sub-basin plans have now been completed and certified by the Governor. With the completion of the point source planning (Phase 1), the Division is developing areawide (208) planning for the nondesignated areas of the state. The Governor has designated his office as the state agency to oversee and coordinate the 208 point and nonpoint source planning for designated areas in the state. The Division will furnish technical support to the Governor's office during the development of 208 plans in designated areas.

The planning section initiated a water quality modeling program this past fiscal year. The model is on tape in the University of Colorado's computer at Boulder with a terminal in the Health Department Building. Although initial efforts are somewhat behind schedule, the model is now considered functional, and, if adequate funding is available in FY-77, a major effort will be directed to model the major stream systems in Colorado. This effort will support the permit program in developing second generation permits and in the evaluation of proposals to construct new treatment facilities or enlarge existing plans. One engineer will be assigned to the modeling program, assist the permits section, and other related duties.

The other two section engineers will continue with the necessary administrative and technical duties connected with the facilities (201) planning program, the areawide (208) planning program, subdivision review, A-95 review, and environmental assessment review. It is expected that approximately 25 to 30 facilities plans will be completed in FY-77 which

will require a joint review by the Technical Services Section and the Planning Section. As pointed out previously, the section's role in 208 planning is not entirely clear, but it is expected that the Planning Section will be required to furnish considerable input and assistance to the state in planning for the nondesignated areas. To assist in the management of water quality maintenance and improvement, the Planning Section will devote considerable time to the review of subdivision proposals submitted by counties, review A-95 requests for funding, and review environmental assessments. These reviews are to determine if the proposals are compatible with present planning strategy.

FY 1977 BUDGET

COLORADO 208 AREAWIDE PLANNING

Personnel	\$ 55,000
Travel	4,000
Equipment	400
Supplies	200
Contractual	200,000
Other	5,000
Indirect Costs	<u>9,000</u>
Total - - - - -	\$273,600

COMPLIANCE ASSURANCE AND ENFORCEMENT STRATEGY

Compliance assurance covers a variety of functions, including the issuance of NPDES permits, sampling inspections, compliance monitoring, enforcement monitoring, ambient monitoring, and quality assurance.

NPDES Permits

Colorado has administered the National Pollutant Discharge Elimination System since March 27, 1975 under the provision of section 402 of the Federal Water Pollution Control Act. Under this program the state issues all permits to discharge, except for Federal facilities.

Many new permit applications are being received and because of the large number of permits to be reissued, many of the new applications are not being processed. This probably will continue through the coming year. Most permits will be issued for four and five-year periods, but some may be issued for shorter terms. The permit expiration dates are determined somewhat by the current workload.

As a minimum, the Division plans to process all major permits during FY 1977.

The Division will check regularly on the status of permit compliance schedules and self-monitoring reports to assure compliance with permit conditions and that scheduled reports are submitted.

As in the past, all permits will include conditions that will conform with the 1977 standards.

Several new developments are expected to sharply increase the workload on the Division during the planned year.

1. A recent Federal court hearing relating to point and nonpoint sources may drastically increase the number of permits the Division

must deal with. The general procedure for permitting these additional dischargers has not been determined.

2. Section 404 of the Federal Act requires the Corps of Engineers to permit dredge and fill activities with certification by the states.

3. The State Department of National Resources requires that the Division review and give preliminary approval of all mining activities permitted in Colorado.

These developments may have a detrimental effect on the Division's planned program for FY 1977.

Compliance Monitoring

In Colorado, compliance monitoring consists primarily of sampling inspections to determine the compliance of wastewater treatment facilities with permit conditions, or with discharger standards in cases where permits have not been issued. Sampling inspections are conducted along with stream sampling as a total monitoring effort. Compliance monitoring is employed as a flagging process to identify the dischargers that should be selected for the more intense enforcement monitoring.

Enforcement Monitoring

The more intensive enforcement monitoring is used in cases where violations of permit conditions and the discharge standards are identified through compliance monitoring.

Enforcement

The Division intends to take vigorous action in the enforcement against violations of permit conditions and violations of the law and regulations.

Primary emphasis will be placed on compliance with permit conditions by the major industries and municipalities. Increasing attention will be paid thereafter to compliance by the minor dischargers. Permittees that have recently received Federal construction grants will be subject to all enforcement measures.

The Division expects to carry out all enforcement activities against permit violations as they may be considered appropriate by the state or by EPA.

The enforcement strategy will include the use of several of the available tools, depending on the circumstances and nature of the violations. The Division will use enforcement letters; informal hearings, notices of violation, cease and desist orders and court actions. Cases involving court actions will be referred by the Division to either the State Attorney General or local district attorneys for prosecution.

Ambient Monitoring

In Colorado, all of the monitoring functions are placed in the Monitoring and Enforcement section of the Division. The stream sampling activity of the Division is expected to be carried on at about the same level during the plan year as it was in FY 1976.

Ambient monitoring consists of periodic sample collection at 128 stream sampling stations throughout the state. The primary-secondary sampling net work will remain essentially the same; however, several stations will be exchanged between the primary and secondary systems. Also, a number of secondary stations will be discontinued and new secondary stations will be established on streams not monitored previously. The new stations and their locations have not been determined at this time.

Locations of the stream sampling stations in Colorado are shown on the accompanying map.

The 28 stations in the primary system are sampled weekly. Samples from the primary stations are analyzed for fewer parameters than those from the secondary stations, except for six samples per year which are collected in the same time period as the secondary station samples.

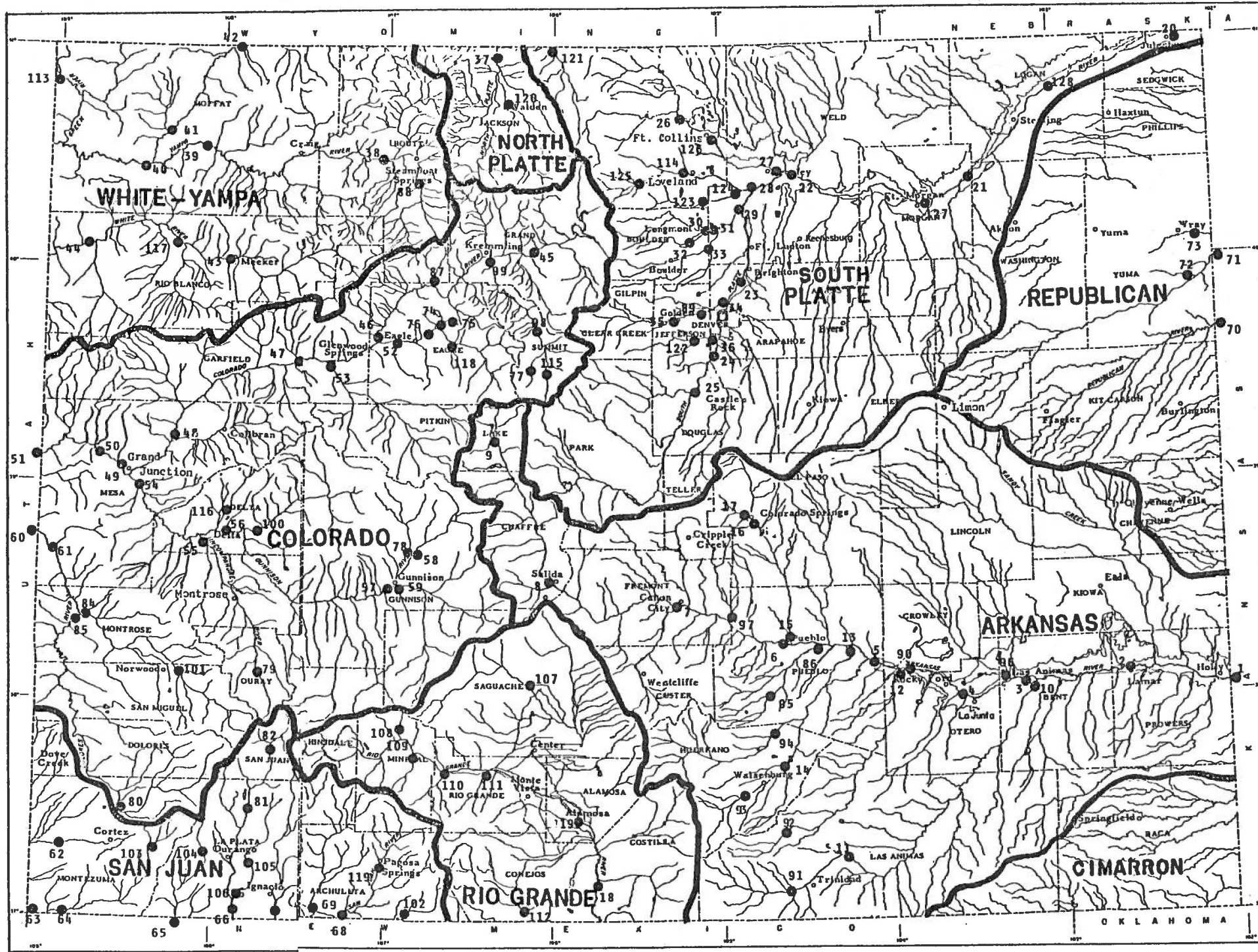
All samples collected from primary network stations are analyzed for the following:

Temperature	Magnesium
pH	Sodium Adsorption Ratio (SAR)
Dissolved Oxygen	Total Hardness as CaCO_3
Turbidity	Specific Conductivity
Total Solids	Nitrates
Suspended Solids	Nitrites
Dissolved Solids	Ammonia
5-day Biochemical Oxygen Demand	Total Phosphorus
Chlorides	Total Coliform Organisms
Sodium	Fecal Coliform Organisms
Calcium as CaCO_3	

All samples collected from secondary network stations are analyzed for the following, in addition to the parameters analyzed for on primary network samples.

Arsenic	Silver
Boron	Copper
Cadmium	Cyanide
Chromium, Hexavalent	Fluorides
Lead	Iron
Manganese	Kjeldahl Nitrogen
Methylene Blue Active Substances	Sulfates
Molybdenum	Total Alpha Radioactivity
Radium-226	Total Beta Radioactivity
Selenium	Suspended Volatile Solids
	Zinc

Stream flow readings are taken from USGS stream flow gauging stations at or near the Division's sampling station locations.



● COLORADO HEALTH DEPARTMENT RIVER POLLUTION SURVEILLANCE STATIONS

LEGEND

--- COUNTY BOUNDARY

— MAJOR DRAINAGE BOUNDARY

SCALE 0 10 20 30 40 50 60 70 80 90 100 MILES

COLORADO

No lake or reservoir monitoring is planned by the Division for FY 1977.

The Division's two mobile laboratories will be used almost exclusively in FY 1977 for conducting intensive surveys on problem streams or stream segments identified by river basin plans.

Quality Assurance

Colorado has adopted a quality assurance program which will be conducted by the Health Department water quality control laboratory in FY 1977. The program includes the documentation of records which will be available for review.

The laboratory has applied through the Division for two staff members to attend EPA training courses in Cincinnati, Ohio, that will prepare them to better perform the duties in analytical quality control. It is hoped that all of the appropriate lab personnel will be given the opportunity to attend training courses.

Laboratory personnel informed us that in order to carry out the quality assurance responsibilities, several new items of equipment will be needed: a gas chromatograph and accessories, a total organic carbon analyzer, and a Technion II auto-analyzer. Also, a number of equipment items that have become obsolete will need to be replaced: A B & L Spectronic 700, a specific conductivity bridge, a turbidimeter, a model 201A digital read-out meter, and a digital printer for Varian AA-6 and liquid chromatography.

As a part of this program, the Division's two mobile laboratories will be evaluated at least once each year by the Health Department's laboratory staff.

FY 1976-77
CONSTRUCTION GRANT
PRIORITY LIST

CONSTRUCTION GRANT
PRIORITY LIST

NO.	TOTAL POINTS	NAME	EXCESS BOD POINTS	EXCESS Cl ₂ & NH ₃ -N POINTS	EXCESS P POINTS	POP. PTS.	STREAM CATEGORY FACTORS	WATER RE-USE POINTS	INDUSTRY IMPACT AREA POINTS
1.	140	Englewood/Littleton	0	15	0	20	4	0	0
2.	102	Pueblo	33	0	0	18	2	0	0
3.	90	#Sterling	34	0	0	11	2	0	0
4.	88	Estes Park	1	1	10	10	4	0	0
5.	82	Grand Junction	10	0	0	14	3	0	*10
6.	80	+Frisco	0	0	15	5	4	0	0
7.	76	+Silverthorne/Dillon	0	1	10	8	4	0	0
8.	75	#Platte II Interceptor	0	0	0	0	3	0	0
9.	75	Denver Sewer Overflow (W & S Side - Jewell and Harvard)	0	0	0	0	3	0	0
10.	75	Denver Overflow (Cherry Creek and Goldsmith Gulch)	0	0	0	0	3	0	0
11.	75	#Denver overflow (Delgany)	0	0	0	0	2	0	0
12.	75	Denver overflow (Sand Creek)	0	0	0	0	2	0	0
13.	75	#Pueblo Sewer overflow	0	0	0	0	2	0	0
14.	72	Aspen Metro	3	4	0	11	4	0	0
15.	62	#Glenwood Springs	3	0	0	10	4	0	*10
16.	60	Summit Co. (Snake River)	3	0	3	9	4	0	0
17.	60	#Three Lakes	1	0	4	10	4	0	0
18.	60	+Craig	0	0	0	10	4	0	*2
19.	56	Breckenridge	0	1	3	10	4	0	0
20.	54	#Aurora	0	0	0	18	3	**10	0
21.	54	Canon City Metro	4	0	0	14	3	0	0
22.	54	+South Lakewood	2	3	0	13	2	0	0
23.	54	Glendale	0	7	0	11	2	0	0
24.	52	Gunnison	2	0	0	11	4	0	0
25.	52	Boulder	8	0	0	18	2	0	0
26.	48	Durango	0	0	0	12	4	0	0
27.	48	Montrose	2	0	0	10	4	0	0
28.	48	#Steamboat Springs	2	2	0	8	4	0	1
29.	48	Salida	2	0	0	10	4	0	0
30.	48	Rifle	0	0	0	7	4	0	*2
31.	48	#Meeker	0	0	0	7	4	0	*2
32.	48	Snowmass	0	2	0	10	4	0	0
33.	48	Paoia	0	0	0	7	4	0	*2
34.	48	+Metro Denver	0	0	0	24	2	0	0
35.	46	#Longmont	9	0	0	14	2	0	0
36.	44	Alamosa	0	0	0	14	4	0	0
37.	44	+Upper Eagle	0	1	0	10	4	0	0
38.	44	Oak Creek	0	1	0	5	4	0	*2
39.	44	Silt	1	0	0	5	4	0	*2
40.	42	#Loveland	0	0	0	14	3	0	0
41.	42	Greeley	4	0	0	17	2	0	0
42.	42	Broomfield/Westminster	4	0	0	17	2	0	0

+Received EPA and/or State grants for treatment works in FY-73, 74 or 75

*These points apply only to Step I grants.

**These points apply only to Steps II and III grants.

#All steps fully funded or funds reserved for fully funding.

TOTAL NO.	POINTS	NAME	EXCESS BOD POINTS	EXCESS Cl ₂ & NH ₃ -N POINTS	EXCESS P POINTS	POP. PTS.	STREAM CATEGORY FACTORS	WATER RE-USE POINTS	IN TR
43	41	Rangely	0	0	0	7	3	0	#2
44	40	Monte Vista	1	0	0	9	4	0	
45	40	Hayden	0	0	0	5	4	0	#2
46	40	Hotchkiss	0	0	0	5	4	0	#2
47	40	New Castle	0	0	0	5	4	0	#2
48	38	Carbondale	0	0	0	7	4	0	#1
49	38	+South Adams	5	0	0	14	2	0	
50	38	Fort Morgan	8	0	0	11	2	0	
51	35	DeBeque	0	0	0	5	3	0	#2
52	35	Grand Valley	0	0	0	5	3	0	2
53	34	+Fort Collins	0	0	0	17	2	0	
54	32	Woodland Park	0	0	0	8	4	0	
55	32	Idaho Springs	1	0	0	7	4	0	
56	32	+Evergreen	0	1	0	7	4	0	
57	31	+Clifton	1	0	0	6	3	0	1
58	30	W. Glenwood Springs	0	0	0	5	4	0	1
59	28	+Upper Thompson	0	0	0	7	4	0	
60	28	+Vail	0	1	0	6	4	0	
61	28	Telluride	1	1	0	5	4	0	
62	28	+Palmer Lake	0	0	0	7	4	0	
63	28	Palisade	1	0	0	5	3	0	1
64	28	Brighton	2	0	0	12	2	0	
65	28	Rocky Ford	4	0	0	10	2	0	
66	27	Delta	0	0	0	9	3	0	
67	26	Clear Creek Valley	2	0	0	11	2	0	
68	26	Arvada	1	0	0	12	2	0	
69	24	Brush	3	0	0	9	2	0	
70	24	Kremmling	1	0	0	5	4	0	
71	24	Mancos	1	0	0	5	4	0	
72	24	Manassa	1	0	0	5	4	0	
73	24	Berthoud	0	0	0	8	3	0	
74	24	Ft. Garland	1	0	0	5	4	0	
75	24	Mt. Werner	0	1	0	5	4	0	
76	24	Monument	1	0	0	5	4	0	
77	24	Upper Fraser	1	0	0	5	4	0	
78	24	La Veta	1	0	0	5	4	0	
79	24	Morrison	1	0	0	5	4	0	
80	24	Georgetown Valley	1	0	0	5	4	0	
81	24	Gypsum	1	0	0	5	4	0	
82	24	Rye	1	0	0	5	4	0	
83	24	+Crested Butte	1	0	0	5	4	0	
84	24	Dolores	1	0	0	5	4	0	
85	24	Granby	0	1	0	5	4	0	
86	24	+Winter Park	1	0	0	5	4	0	
87	24	Fraser	1	0	0	5	4	0	
88	24	Del Norte	0	0	0	6	4	0	
89	24	Crested Butte S. D.	0	1	0	5	4	0	

+Received EPA and/or State grants for treatment works in FY-73, 74, or 75

*These points apply only to Step 1 grants

NO.	TOTAL POINTS	NAME	EXCESS			POP. PTS.	STREAM CATEGORY FACTORS	WATER RE-USE POINTS
			EXCESS BOD POINTS	EXCESS Cl ₂ & NH ₃ -N POINTS	EXCESS P POINTS			
90	24	Ouray	0	0	1	5	4	0
91	24	Saguache	0	0	1	5	4	0
92	24	Florence	0	0	0	8	3	0
93	24	Walden	0	0	1	5	4	0
94	24	Pagosa Springs	0	0	0	6	4	0
95	24	Ignacio	0	0	1	5	4	0
96	24	Crestview	0	0	1	11	2	0
97	22	Trinidad	0	0	0	11	2	0
98	21	Fruita	0	0	0	7	3	0
99	21	Lincoln Park	0	0	0	7	3	0
100	21	Colorado Springs	0	0	0	21	1	0
101	20	Walsenburg	0	0	0	10	2	0
102	20	Box Elder	0	0	0	10	2	0
103	20	Evans	0	0	0	10	2	0
104	20	Bayfield	0	0	0	5	4	0
105	20	Central Clear Creek	0	0	0	5	4	0
106	20	Empire	0	0	0	5	4	0
107	20	Basalt	0	0	0	5	4	0
108	20	+West Jefferson	0	0	0	5	4	0
109	20	Kittredge	0	0	0	5	4	0
110	20	Creede	0	0	0	5	4	0
111	20	Antonito	0	0	0	5	4	0
112	20	Nederland	0	0	0	5	4	0
113	20	Victor	0	0	0	5	4	0
114	20	Cripple Creek	0	0	0	5	4	0
115	20	Purgatory	0	0	0	5	4	0
116	20	Olathe	0	0	0	5	4	0
117	20	Redcliff	0	0	0	5	4	0
118	20	Lake City	0	0	0	5	4	0
119	20	Hot Sulphur Springs	0	0	0	5	4	0
120	20	Silverton	0	0	0	5	4	0
121	20	San Luis	0	0	0	5	4	0
122	20	Colbran	0	0	0	5	4	0
123	20	+Redstone	0	0	0	5	4	0
124	20	St. Mary's	0	0	0	5	4	0
125	20	+Ridgway	0	0	0	5	4	0
126	20	Bailey	0	0	0	5	4	0
127	20	+Lafayette	1	0	0	9	2	0
128	20	Wheat Ridge	5	0	0	5	2	0
129	20	+Eagle	0	0	0	5	4	0
130	20	Blanca	0	0	0	5	4	0
131	20	+La Jara	0	0	0	5	4	0
132	18	+Windsor	0	0	0	9	2	0
133	18	Ft. Lupton	1	0	0	8	3	0
134	18	Louisville	1	0	0	8	2	0
135	18	East Canon	0	0	0	6	3	0
136	18	Pueblo West	0	0	0	6	3	0

+Received EPA and/or state grants for treatment works in FY-73, 74 or 75

NO.	TOTAL POINTS	NAME	EXCESS BOD POINTS	EXCESS	EXCESS	POP. PTS.	STREAM CATEGORY FACTORS	WATER RE-USE POINTS	INC
				Cl ₂ & NH ₃ -N POINTS	P POINTS				TRY IMP PTS
137	18	+Lyons	1	0	0	5	3	0	C
138	18	+Dove Creek	1	0	0	5	3	0	C
139	18	+Nucla	1	0	0	5	3	0	C
140	18	Norwood	1	0	0	5	3	0	C
141	15	Naturita	0	0	0	5	3	0	C
142	14	+Erie	1	0	0	6	2	0	C
143	14	Platteville	1	0	0	6	2	0	C
144	14	Julesburg	1	0	0	6	2	0	C
145	13	Security	1	0	0	12	1	0	C
146	12	Johnstown	0	0	0	6	2	0	C
147	12	Crook	1	0	0	5	2	0	C
148	12	Hill-N-Park	1	0	0	5	2	0	C
149	12	Granada	1	0	0	5	2	0	C
150	12	+La Salle	0	0	0	6	2	0	C
151	12	Milliken	1	0	0	5	2	0	C
152	12	So. Ft. Collins	0	0	0	6	2	0	C
153	12	Ovid	1	0	0	5	2	0	C
154	11	La Junta	0	0	0	11	1	0	C
155	10	Avondale	0	0	0	5	2	0	C
156	10	Sedgwick	0	0	0	5	2	0	C
157	10	St Charles Mesa	0	0	0	5	2	0	C
158	10	+Kersey	0	0	0	5	2	0	C
159	10	Boone	0	0	0	5	2	0	C
160	10	+Leadville	0	0	0	10	1	0	C
161	10	Log Lane Village	0	0	0	5	2	0	C
162	10	Weld Co. Tri Area	1	0	0	9	1	0	C
163	9	Las Animas	1	0	0	8	1	0	C
164	9	+Fountain	2	0	0	7	1	0	C
165	8	Castle Rock	1	0	0	7	1	0	C
166	8	+Burlington	0	0	0	7	1	0	C
167	8	Stratmoor	1	0	0	7	1	0	C
168	8	Springfield	1	0	0	5	1	0	C
169	8	Flagler	3	0	0	5	1	0	C
170	7	Cortez	0	0	0	6	1	0	C
171	7	Ordway	1	0	0	6	1	0	C
172	7	+Eaton	0	0	0	7	1	0	C
173	7	Akron	0	0	0	6	1	0	C
174	7	Holyoke	1	0	0	6	1	0	C
175	7	Wray	0	0	0	7	1	0	C
176	7	Limon	0	0	0	7	1	0	C
177	7	Fowler	1	0	0	6	1	0	C
178	6	Elizabeth	0	0	0	6	1	0	C
179	6	Gilcrest	1	0	0	5	1	0	C
180	6	Yuma	1	0	0	5	1	0	C
181	6	Bristol	1	0	0	5	1	0	C
182	6	Calhan	1	0	0	5	1	0	C
183	6	Campo	1	0	0	5	1	0	C
184	6	Hugo	1	0	0	5	1	0	C
185	6	Kit Carson	1	0	0	5	1	0	C

+Received EPA and/or State grants for treatment works in FY-73, 74 or 75

TOTAL NO.	POINTS	NAME	EXCESS BOD POINTS	EXCESS Cl ₂ & NH ₃ -N POINTS	EXCESS P POINTS	POP. PTS.	STREAM CATEGORY FACTORS	WATER RE-USE POINTS	INT. TR. PTS.
186	6	Manzanola	1	0	0	5	1	0	0
187	6	Penrose	1	0	0	5	1	0	0
188	6	Olney Springs	1	0	0	5	1	0	0
189	6	Sugar City	1	0	0	5	1	0	0
190	6	Walsh	1	0	0	5	1	0	0
191	6	Wiley	1	0	0	5	1	0	0
192	6	Ault	1	0	0	5	1	0	0
193	6	Byers	1	0	0	5	1	0	0
194	6	Fleming	1	0	0	5	1	0	0
195	6	Cheyenne Wells	1	0	0	5	1	0	0
196	6	Eads	1	0	0	5	1	0	0
197	6	Academy	1	0	0	5	1	0	0
198	6	Hudson	1	0	0	5	1	0	0
199	6	Kaenesburg	1	0	0	5	1	0	0
200	6	Marino	1	0	0	5	1	0	0
201	6	Otis	1	0	0	5	1	0	0
202	6	Peetz	1	0	0	5	1	0	0
203	6	Pierce	1	0	0	5	1	0	0
204	5	Ramah	0	0	0	5	1	0	0
205	5	Swink	0	0	0	5	1	0	0
206	5	Deer Trail	0	0	0	5	1	0	0
207	5	Arriba	0	0	0	5	1	0	0
208	5	Highline Park	0	0	0	5	1	0	0
209	5	Hi-Land Acres	0	0	0	5	1	0	0
210	5	Stratton	0	0	0	5	1	0	0
211	5	Haxtun	0	0	0	5	1	0	0
212	5	Wellington	0	0	0	5	1	0	0
213	5	Head	0	0	0	5	1	0	0
214	5	Silver Heights	0	0	0	5	1	0	0
215	5	Perry Park	0	0	0	5	1	0	0
216	5	Dinosaur	0	0	0	5	1	0	0
217	5	Center	0	0	0	5	1	0	0
218	5	Wiggins	0	0	0	5	1	0	0
219	5	Vona	0	0	0	5	1	0	0
220	5	Hazeltine Hts.	0	0	0	5	1	0	0
221	5	Holly	0	0	0	5	1	0	0
222	5	Cimarron	0	0	0	5	1	0	0
223	5	Grover	0	0	0	5	1	0	0

PRIORITY NUMBER	TOTAL POINTS	NAME	PROJECT	TOTAL ESTIMATED COSTS \$000	75% EPA			EPA # C080
					STEP I \$000	STEP II \$000	STEP III \$000	
13.	72	Grand Junction	Expansion or new plant	1,500	0	83	1,035	337
14.	60	Summit County	Expand Snake River Plant, remove ammonia, Cl ₂ , P.	?	100	0	0	380
15.	60	Three Lakes	New Regional System	3,000	0	0	2,035	345
16.	60	Craig	Plant expansion	?	15	0	0	381
17.	56	Breckenridge	Rmove Cl ₂ , P, ammonia	?	30	0	0	382
18.	54	Aurora	New Plant and effluent re-use works	?	100	0	0	379
19.	54	Canon City Metro	New Regional System	7,310	53	500	0	383
20.	54	S. Lakewood	Study expansion vs. outfall to Denver	?	75	0	0	385
21.	54	Glendale	Study expansion vs. outfall to Denver	?	75	0	0	384
22.	52	Glenwood Spgs	Expansion or new plant	865	0	49	550	336
23.	52	Boulder	Sludge digesters and pre-treatment works	5,750	0	350	0	348
24.	48	Durango	Plant upgrading	?	30	0	0	387
25.	48	Montrose	Plant upgrading	?	30	0	0	386
26.	48	Steamboat Spgs	New Regional System	2,508	0	188	1,587	331
27.	48	Salida	Plant upgrading	?	30	0	0	388
28.	48	Rifle	Plant upgrading	?	20	0	0	389
29.	48	Snowmass	Advanced Treatment	350	0	30	0	349

PRIORITY NUMBER	TOTAL POINTS	NAME	PROJECT	TOTAL ESTIMATED COSTS \$000	75% EPA			EPA / CO80
					STEP I \$000	STEP II \$000	STEP III \$000	
30.	48	Paonia	Plant expansion	?	20	0	0	390
31.	48	Metro Denver	Sludge disposal	6,700	0	758	0	341
32.	40	Metro Denver	Lower Platte Plant and Interceptor	21,000	0	1,061	0	342
33.	48	Metro Denver	Study main plant expansion	40,000	100	0	0	391
34.	48	Metro Denver	Study Clear Creek Sewer System	14,743	100	0	0	392
35.	44	Alamosa	Study needs for upgrading	?	30	0	0	393
36.	44	Upper Eagle	Study needs for Upper Eagle River-Gore Creek	?	100	0	0	394
37.	44	Oak Creek	Study needs due to energy impact	?	20	0	0	395
38.	44	Silt	" " " " " "	?	20	0	0	396
39.	42	Greeley	New Regional System	7,127	0	500	0	332
40.	42	Droomfield/Westminster	Regional Plant	11,400	69	600	0	
41.	40	Monte Vista	Study needs	?	20	0	0	397
42.	40	Hayden	Study needs	?	20	0	0	398
43.	40	Hotchkiss	Study needs	?	20	0	0	399
44.	40	New Castle	Study needs	?	20	0	0	400
Totals					1,715	6,680	29,436	

Total Steps I, II, III	\$37,521,000
Reserved for Grant Increases	5,292,300
Reserved for Additional Step I Grants	300,000
Total FY-76	\$43,113,300

OUTPUT COMMITMENTS

STATE SUMMARY COMMITMENT FORM

STATE
COLORADO

MAN-YEAR		MEDIA								
		WATER								
OUTPUT NO.	OUTPUT TITLE	RPTS FREQ	START 9/30/76	MILESTONES						COMMIT 9/30/77
				12/31/76		3/31/77		6/30/77		
1	NPDES PERMITS									
OUTPUT UNITS (Require end-of-year commitments and milestones)				P	A	P	A	P	A	
A.	Number of Major Non-Municipal Permits Issued or Reissued	0	NO	6		21		22		22
B.	Number of Minor Non-Municipal Permits Issued or Reissued	0	NO	76		130		165		197
C.	Number of Major Municipal Permits Issued or Reissued	0	NO	24		24		27		28
D.	Number of Minor Permits Issued or Reissued	0	NO	11		15		22		25
E.	Number of Major Municipal Permits Modified	SA	NO	1		2		3		4
(Report Only)										
ACTIVITY INDICATORS (Do not require end-of-year commitments and milestones)							3/31			
1.	Number of Major Non-Municipal Dischargers Identified that must have a Permit	SA	62							
2.	Number of Major Municipal Dischargers Identified that must have a Permit	SA	91							
3.	Number of Major Non-Municipal Permits Issued and in Effect	SA	61							
4.	Number of Major Municipal Permits Issued and in Effect	SA	91							
5.	Number of Major Non-Municipal Permits Modified	SA								

STATE SUMMARY COMMITMENT FORM

STATE
COLORADO

MAN-YEAR		MEDIA WATER		MILESTONES						COMMIT
OUTPUT NO.	OUTPUT TITLE	RPTG FREQ	START 9/30/76	12/31/76		3/31/77		6/30/77		9/30/77
OUTPUT UNITS (Require end-of-year commitments and milestones)				P	A	P	A	P	A	
A.	Number of Reconnaissance Inspections of Major Non-Municipal Permittees	Q	NO	10		20		30		39
B.	Number of Reconnaissance Inspections of Major Municipal Permittees	Q	NO	12		24		36		48
C.	Number of Sampling Inspections by State of Major Non-Municipal Permittees	Q	NO	29		58		87		116
D.	Number of Sampling Inspections by State of Major Municipal Permittees	Q	NO	69		138		207		276
E.	Number of Major Non-Municipal Permittees determined to be in Compliance with Final Effluent Limitations (For States with NPDES Prog)	Q	NO							
F.	Number of Major Municipal Permittees Determined to be in Compliance with Final Effluent Limitations (For States with NPDES Program)	Q	NO							
(Report Only)										
ACTIVITY INDICATORS (Do not require end-of-year commitments and milestones)						12/31		3/31		6/30
1.	Number of Non-Municipal Major Permittees Determined by State to be in Violation of Final Effluent Limitations	Q	NO							
2.	Number of Major Municipal Permittees Determined by States to be in Violation of Final Effluent Limitations	Q	NO							
3.	Number of Major Non-Municipal Permittees Determined by States to be in Violation of Construction Schedules	Q	NO							
4.	Number of Funded or Fundable Major Municipal Permittees Determined by States to be in Violation of Construction Schedules	Q	NO							

STATE SUMMARY COMMITMENT FORM

STATE
COLORADO

MAN-YEAR		MILESTONES							COMMIT		
OUTPUT NO.	OUTPUT TITLE	RPTS FREQ	START 9/30/76	12/31/76		3/31/77		6/30/77		9/30/77	
				P	A	P	A	P	A		
4	MUNICIPAL OPERATIONS										
OUTPUT UNITS (Require end-of-year commitments and milestones)											
A. Number of Municipal O & M Inspections				0	NO	15		30		55	85
(Report Only)											
ACTIVITY INDICATORS (Do not require end-of-year commitments and milestones)											

Administration

The Division sees no possibility of expanding the present water quality control program at the present time. In past years, the Division has repeatedly requested state funds to support programs that were considered highly beneficial to improving the program, such as a technical services team to improve treatment facilities operation and a groundwater pollution control activity. These proposals have not been funded. There is no evidence, at this time, to suggest that these activities will be supported in the future. It appears more likely that, instead of expanding the program, certain program functions will have to be reduced because of increasing operational costs, unless higher levels of state and federal funding become available.

The Division will, of course, attempt to carry on a water quality control program that will satisfy the requirements of state and federal law, as far as its resources will permit.

Municipal Facilities Program Management

At the present time, and under current conditions, the Division does not expect to take on any additional duties and responsibilities. We will continue to process federal construction grants and review plans and specifications for proposed projects as construction funds are made available. An emphasis will be placed on upgrading the quality of our current functions - O&M inspections, plans review, permits review, site inspections and technical services.

Water Quality Control Planning

In the 5-year outlook water quality management planning will focus on 208 areawide planning in Colorado and a revision of the basin plans.

The Division will review 201 facility plans and their conformance with the 208 plans and basin plans. Later in the period, the Division will be reviewing existing permit conditions to see whether waste loads are compatible with 208 plans.

COMPLIANCE ASSURANCE AND ENFORCEMENT STRATEGY

In the next five-year period the Division intends to:

- Issue and reissue NPDES permits at about the current rate, although some fluctuations may occur because of unforeseen conditions.
- Start issuing agricultural permits in FY 1977 and continue as necessary through the 5-year period.
- Review the fill and dredge (Corps of Engineer) permits as they are submitted. This activity is expected to consume about 25 percent of the permit section's time.
- Enforce the salinity regulations adopted by the Water Quality Control Commission in 1975.
- Devote more time to permitting and enforcement of regulations for energy related (coal and oil shale) activities in the state.
- Periodically re-evaluate stream sampling station locations in order to make the state's program more consistent with the national program.
- No important changes in the compliance monitoring program are anticipated, except to plan sampling schedules that will coincide more closely with the stream sampling schedules.
- Field studies with the use of the mobile laboratories will be related more to 208 planning in the nondesignated areas of the state. Mobile labs will reduce the basic water quality surveys and increase

the studies that address specific problems to support planning, permitting, etc.