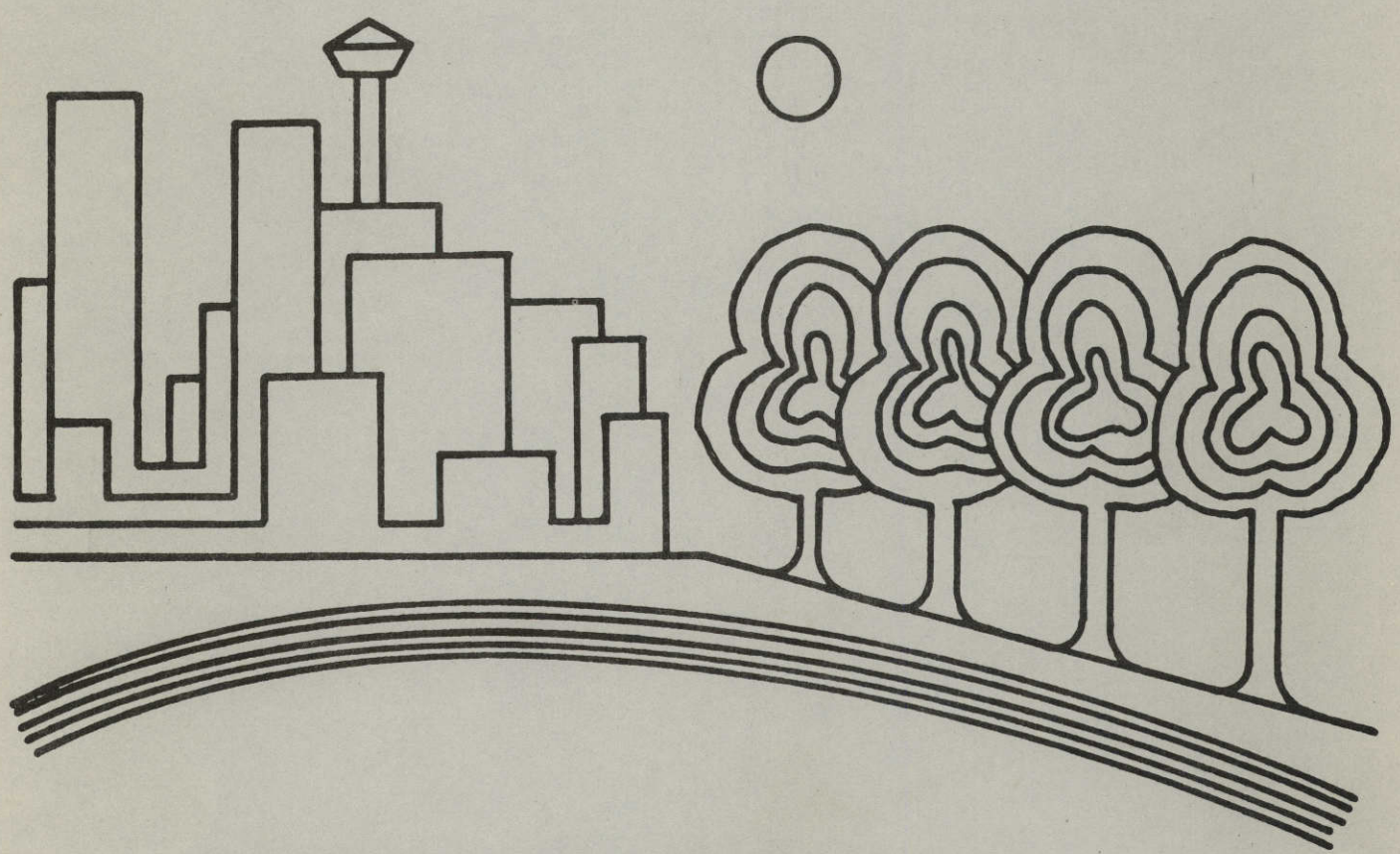


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STORAGE



Areawide Waste Treatment Management Plan



Project Management
Quarterly Report
July - Sept. , 1976

alamo area council of governments

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of governments

October 21, 1976

Mr. John C. White
Regional Administrator
U.S. Environmental Protection Agency
1201 Elm Street
First International Building
Dallas, Texas 75270

Dear Mr. White: *John:*

This report reflects the work performed during the past quarter of July-September, 1976.

Sincerely,



Al J. Notzon, III
Executive Director

AJN:bm

cc: Mr. Sam Nott

aaog alamo area council
of governments

October 21, 1976

Mr. Hugh C. Yantis, Jr.
Executive Director
Texas Water Quality Board
P. O. Box 13246
Capitol Station
Austin, Texas 78711

Dear Mr. Yantis: *Hugh:*

This report reflects the work performed during the past quarter of July-September, 1976.

Sincerely,



Al J. Notzon, III
Executive Director

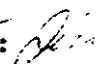
AJN:bm

cc: Mr. Tommy Royal

 alamo area council
of governments

October 21, 1976

Gen. James Rose
Executive Director
Texas Water Development Board
Stephen F. Austin State Office Bldg.
Austin, Texas 78701

Dear Gen. Rose: 

This report reflects the work performed during the
past quarter of July-September, 1976.

Sincerely,



Al J. Notzon, III
Executive Director

AJN:bm

cc; Mr. Richard Lewis

AACOG "208" ROSTER

Al J. Notzon, III
Executive Director (Ext. 31)

Jaime B. Ornelas
"208" Project Coordinator (Ext. 49)

Arthur L. Jenke
Water Quality Manager (Ext. 68)

Rob Salvagno
Systems Manager (Ext. 52)

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Environmental Planner (Ext. 58)

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Public Information Coordinator (Ext. 35)

Richard S. Rios
Regional Analysis Associate (Ext. 50)

Frank R. Lozano
Graphics Department (Ext. 75)

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Program Assistant (Ext. 28)

Weldon Hammond (Part-time)
Special Programs Manager

TABLE OF CONTENTS

Acknowledgements-----ii

I. Abstract-----1

II. Contract Status

 Package I-----3

 Package II-----7

 Package III-----7

 Package IV -----9

 Package V-----10

 Package VI-----11

 City of San Antonio-----12

III. Inter-Program Relationships-----13

IV. Required Inter-Agency Action-----17

V. Expense Report-----18

VI. Report of Contractor's Progress-----20

 Attachment A - Conference Meeting Memorandum-----21

The preparation of this report was financed through a planning grant from the United States Environmental Protection Agency under provisions of Section 208 of the Federal Water Pollution Control Act of 1972, as amended.

I. Abstract

This quarter has finally bore the fruits of all the work performed during this past year. Three contracts were signed during this quarter they are the following:

1. Package I - Contract with C. Thomas Koch signed August 2, 1976.
2. Package V - Contract with Peat, Marwick, Mitchell and Co. signed on August 6, 1976.
3. A contract was also signed with United Computing Services for the storage of data files.

Three contracts were also approved by the Areawide Planning Advisory Committee, the AACOG Executive Committee, and the Texas Water Quality Board. As of September 31, they are still at EPA headquarters for approval.

The Areawide Planning Advisory Committee and the AACOG Executive also authorized the Executive Director to enter into contract negotiations with the joint venture of the Pitluk Group and the League of Women Voters for performing the functions of informing; educating, and involving the citizens in 208 planning. This contract will henceforth be called Package VI, Public Participation.

The Population and Land Use Projection (Task 2.31) contract being prepared by the Planning Department of the City of San Antonio approximately 70% complete.

A total of four workshops wherein the AACOG Staff, the 208 Participating Agencies, and other 208 consultants are being trained to use the simulation model being developed under the Package I contract were held during this quarter.

In addition to the many conferences held during this quarter and reported under Attachment A, two monthly status meetings were held with the consultants to ensure coordination amongst all contractors.

During this quarter we were also asked to accelerate certain elements in the 208 work plan in order to assist the TWQB and the 201 contractors in identifying the issues associated with several 201 alternatives.

A total of four workshops are scheduled for the month of October. The workshops are the following:

1. Construction Grants Workshop (Regional)
2. APL Language Workshop (Internal)
3. Mapping Workshop (Internal)
4. Delphi and Risk Analysis (Internal)

We are also proud to report that recent conversation between the AACOG Open Space Program Manager, Ty Probasco and Mrs. Helen Fenske of the Washington EPA offices indicate that the local 201-208 process will be publicized as a case study model of the effectiveness of coordination between wastewater treatment and facility planning and park and recreation facilities.

This next quarter should result in the approval of contracts II, III, and IV, and the completion of several tasks from the consultants presently under contract.

In conjunction with our 201 coordination the 201 alternative issues report will be completed by October 31 and during the month of December a UC/IR seminar will be held for 201 agencies.

The initial work on Delphi and risk analysis tasks will begin during this quarter.

II. Contract Status

A. Package I - Data Management & Systems Analysis

1. The major objectives for this quarter were the following:

- (a) Initiation of contract by August, 1976.
- (b) Completion of tasks 2.11, 2.12 and 2.13.
- (c) Completion of at least four training workshops on the use of the "208" system.
- (d) Selection and installation of a computer terminal for AACOG "208" systems work.
- (e) Storage of completed data files and modular routines under an AACOG user number through an interactive commercial time-sharing computer service.

2. During the past three months the following has been accomplished:

- (a) In June the two contracts between AACOG and C. Thomas Koch, Inc. for performance of the data and systems analysis portions of the "208" work program were reviewed by the TWQB. The contracts which provide for amounts not to exceed \$48,000 for the development of data and management systems and \$32,000 to conduct system training were found in conformance with scope and objectives of areawide waste treatment management planning. On June 28, 1976 the EPA initiated a technical review and audit of the two contracts and their cost summaries submitted for approval the preceeding quarter. On July 30, 1976, the EPA approved the agreements, the contracts were subsequently signed, and work began in earnest August 2, 1976 on the Data Management and Systems package.
- (b) Work on Task 2.11, the inventory collection and review of basic data needed for examining water quality in the San Antonio region began August 2, 1976 and was scheduled for completion September 19, 1976. As of October 1, 1976 an initial draft report on the structure of the data management system had been submitted and reviewed, the task was 86% complete, and work was proceeding on the data inventory and final report. Expenditures invoiced as of the end of the quarter came to \$7,139.88 or 83% of the total planned expenditures for the task. Completion of the task and submission to AACOG of the final report is presently scheduled for October, 1976.

Work on task 2.12 began September 19, 1976 and the draft report is due October 19, 1976. As of October 1, 1976 the work was on schedule, 10% completed, and \$591.50 had been invoiced out of a planned expenditure of \$3,568.00 for the identification of existing water quality problems. Additionally it was felt that the analysis of future water uses, task 2.13, is inextricably linked to the identification of existing water quality problems. To expedite these analysis it was decided that the work done on tasks 2.12 and 2.13 should be handled as two separate sections of the same report. Consequently the percentage of work completed and the expenditures previously reported for task 2.12 incorporate the level of effort and expenses for task 2.13. To recount, task 2.13 was scheduled to begin September 19, 1976 and as of the end of the quarter was proceeding as planned.

In addition to the three tasks outlined in last quarters milestone report, two other systems-oriented tasks, 2.14 and 2.61 were initiated under Package I this quarter. Work on task 2.14, development of a computer-based management information system for the "208" program, began in September ahead of all anticipated start dates and shall continue through January, 1977. As of October 1, 1976 the task was on time and approximately 20% complete, with consultant invoices totaling \$3,154.03 out of a planned expenditure amounting to \$7,416.00.

As for task 2.61, the development and operation of a modular, computer-based, strategic analysis, processing system, work began late in September but as of the quarter's end no invoices were submitted. However, total projected expenditures for this task exceed \$22,000, and the final reports are not due until the fifth project quarter or April, 1977.

- (c) Although listed as a major objective for this quarter in our last milestone report, it was not until August 1976 that the "208" systems training workshops were considered a function of task 5.16. Prior to the contract, task 5.16 was defined as the update and revision process, and was not scheduled to begin before April 1977. However for billing to the contract and all practical purposes the workshops are considered an integral part of the task.

As such the work started August 2, 1976 and is not scheduled for completion until early 1978. As of October 1, 1976 there have been four comprehensive training workshops held, the task is about 40% complete, and expenditures invoiced total \$7,539.71 out of a planned \$22,672. Additionally there are at least nine more workshops planned prior to May, 1977. The training conducted this quarter includes the following:

- (1) August 12, 1976 - Overview of Water Resources Management Problem
- (2) August 26, 1976 - Nonconservative Constitutents and Environmental Response
- (3) September 9, 1976 - Forecasting Future Conditions and Point Sources
- (4) September 23, 1976 - Sizing and Costing of Facilities and Pipeline

The entities actively participating in the workshops include:

- (1) Texas Water Development Board
 - (2) City of San Antonio
 - (3) San Antonio Metropolitan Health District
 - (4) San Antonio River Authority
 - (5) City Public Service
 - (6) CSA "201" Joint Venture
 - (7) Seligmann & Pyle
 - (8) PBQD/Ozuna and Associates
 - (9) Edwards Underground Water District
 - (10) Cibolo Creek Municipal Authority
 - (11) Radian Corporation
 - (12) City Water Board
- (d) The development of the "208" systems and programs, the workshops, and related staff training required the selection and installation of a conventional interactive computer terminal this quarter. A standard TSR model teletype terminal was installed at AACOG by the consultant in August exclusively for the use of "208" planning. The charge to AACOG as reflected in the monthly invoices for task 2.14 does not exceed \$75.00.
- (e) As a condition of Package I, AACOG also in August entered a contract with United Computing Services of Kansas City. UCS provides commercial interactive time-sharing computer services to the "208" project for the manipulation and storage of data files, and project programs under an AACOG user number. Under the terms of the agreement, (1 year, \$1,200 minimum charge) AACOG has access to the entire UCS reference library and staff is being trained

in its use. Additionally, this system allows AACOG to make the files and programs developed in the project available to the participating agencies upon request.

- (f) In a letter to AACOG, dated August 17, 1976, the Texas Water Quality Board requested that our "208" contractors prepare a report, early in the planning process, assessing work done to date on the issues associated with the diversion of CSA effluent through the CPS cooling ponds, Lake Braunig and Lake Calaveras. This report was to identify not only the issues, but also to categorize the impacts of such actions as probable, unlikely or unknown. In subsequent meetings, and in a letter dated September 17, 1976 the TWQB requested a second report, this one summarizing the available data associated with the diversion of CSA effluent to the lakes, and the environmental concerns associated with such action.

After conferring with the "208" contractors and the TWQB, the Package I consultant, C. Thomas Koch, Inc. in conjunction with Peat, Marwick, Mitchell & Co. of Package V, was requested September 24, 1976 to provide AACOG these reports. A summary of the initial findings is to be submitted as an adjunct to tasks 2.12 and 2.13 in early October. The Final Report is due for submission to the TWQB by October 30, 1976, and is directly tied to AACOG's efforts at coordinating CSA "201" facility planning with "208" areawide management planning. As of the end of the quarter total additional expenditures for these reports had not been projected.

3. Scheduled for the next quarter is the following:

- (a) Completion of tasks 2.11, 2.12 and 2.13.
- (b) Completion of at least four more training workshops on the use of the system under task 5.16.
 - (5) October 7, 1976 - Nonsteady State Modeling and the Lakes Problem.
 - (6) October 28, 1976 - Nonpoint Sources and Subwatershed Concept.
 - (7) November 11, 1976 - Environmental Data Base and Land Uses.
 - (8) December 2, 1976 - Design of Technical Subplans.
- (c) Report to the TWQB regarding issues involved with discharging CSA effluent to CPS lakes.

- (d) Draft Report on Task 2.14
- (e) Monitoring progress on development of modular software package, task 2.61.
- (f) Public participation conference on data and systems work.
- (g) Monthly status report and meeting.

B. Package II - Stream Characterization

The San Antonio River Authority has been approved by the APAC and AACOG Executive Committee to conduct Package II, Stream Characterization for the 208 Areawide Waste Treatment Management Plan.

1. The following was accomplished during this quarter:

- a. A meeting was held July 9, 1976 to discuss the Scope of Services.
- b. The contract was completed for Package II, July 16, 1976.
- c. Package II was submitted to the Consultant Selection & Technical Committee (APAC) for review, July 23, 1976.
- d. APAC approved Package II, July 26, 1976
- e. AACOG executive committee approved Package II, July 28, 1976.
- f. Submitted contract to EPA and TWQB for approval - August 2, 1976.
- g. Participation of SARA in AACOG training workshops.
- h. Participation of SARA in Consultants' Day workshop.

2. Scheduled for the following quarter are:

- a. EPA approval of cost summary and contract for Package II.
- b. Signing of Package II contract by SARA & AACOG Executive Director.
- c. Submittal of contract status report by the 10th working day.
- d. Participation of SARA in training workshops and Consultants' Day.
- e. Task 2.62 scheduled to begin work October 19, 1976.
- f. Task 2.71A scheduled to begin work November 24, 1976.

C. Package III - Pollution Sources

1. Work completed during the quarter ending September 30, 1976 included:

- a. Meeting with Joe Pyle, Seligmann & Pyle to discuss revisions in Package III contract, July 2, 1976.
- b. Alter Package III contract, discuss corrections briefly with Joe Pyle, Seligmann & Pyle, July 8, 1976.

- c. Alteration of Package III contract, mutually agreed upon between AACOG and Engineering Science, Inc. - Seligmann & Pyle, completed July 12, 1976.
 - d. Meeting between Jaime Ornelas, John Smollen, AACOG; and Frank Dillard and Joe Pyle, Engineering Science, Inc. - Seligmann & Pyle, to discuss general auditing procedures, requirements and costs summaries, July 14, 1976.
 - e. Trip to Austin to discuss Package III modeling and simulation efforts regarding the design storm and contractors' documentation of his choice to the TWQB, July 15, 1976.
 - f. Presentation of Package III contract to Consultant Selection Technical Committee who recommended approval to APAC, July 22, 1976.
 - g. Approval of Package III contract by APAC, July 26, 1976.
 - h. Approval of Package III contract by the AACOG Executive Committee, July 28, 1976.
 - i. A "Consultants Conference" held September 21, 1976 to promote coordination between the various consultants and the staff. This was the first of such meetings held.
 - j. Attendance at four C. Thomas Koch Workshops during which point source and nonpoint source mathematical productive modeling represented an integral phase.
 - k. Final "polishing" of the Package III contract and submittal to Joe Pyle, Seligmann & Pyle for initial signature September 30, 1976.
2. Work schedule next quarter.
- a. Anticipate all signatories to Package III contract acquired by October 15, 1976. Work on contract task 2.21 expected to be initiated October 19, 1976 and proceed on schedule.
 - b. Anticipate initiation of Tasks 2.22, 2.51, 2.52, 2.53 and 2.54 by Package III contractor.
 - c. Anticipate completion of Tasks 2.21, 2.53 and 2.54 by contractor.
 - d. Anticipate continuance of "consultants conferences" throughout fourth calendar quarter.

D. Package IV - Alternatives Evaluation

1. The major objectives for this quarter were:

- (a) Complete contract negotiations specifically Scope of Services and Cost Summary.
- (b) Review of contract by all approving entities.
- (c) Signing of contract by AACOG Executive Director and Contractors.
- (d) After signing of contract, contractors will participate in training workshops.

2. During the past three months the following was accomplished:

- (a) In July, following the June 30, 1976 AACOG meeting with representatives from Parsons, Brinckerhoff, Quade and Douglas/Ozuna & Associates (PBQD/Ozuna) contract negotiations continued, the decision analysis tasks were redrafted, and the scope of services was finalized.
- (b) The PBQD/Ozuna cost summary for \$116,092 for work to be performed under the Package IV was submitted with the contract to EPA for approval July 30, 1976. Of the total contractual dollars, PBQD and their special consultants are requesting 85% or nearly \$97,000, and Ozuna and Associates is to get the other 15% or about \$19,000. Further breakdown of the PBQD monies shows that, if approved, Lawler, Matusky and Skelly Engineers of New York is subcontracting for \$19,400 and Geraghty & Miller, Ground Water Geologists for an additional \$7,400.
- (c) The contract and scope of services was as of the end of the quarter under review by the approval agencies, i.e., EPA and the TWQB.
- (d) Although the contracts have not been signed the contractors through the local office of Ozuna and Associates have been participating and contributing in all the Package I data and systems training workshops. Indications are that the Ozuna/PBQD group will continue to attend the workshops subsequent to contract approval.
- (e) In August, and again in late September, the TWQB requested AACOG assistance in establishing Delphi and risk analysis panels for reviewing and evaluating specific "201" facilities planning alternatives. Pursuant to that request, the PBQD/Ozuna joint venture, as a function of Package IV, was asked to advise and assist AACOG in the formation and testing of these panels. As of the end of the quarter no action had been taken, however, the PBQD/Ozuna group was advising C. Thomas Koch, Inc.

in the preparation of the CSA/CPS lake report requested by the TWQB, and in the structure of the training workshops to incorporate topics such as risk analysis and multiple objective planning.

3. Scheduled for the next quarter is the following:

- (a) Approval of contracts and cost summary by EPA, TWQB and AACOG.
- (b) Signing of contract by AACOG Executive Director
- (c) Continued participation of PBQD/Ozuna in the "208" data and systems workshop.
- (d) Initial testing of the acceptability and feasibility of Delphi and risk analysis procedures for 201/208 program management and coordination

E. Package V - Management Agencies

1. Work accomplished during July, August and September was the following:

- (a) AACOG and Peat, Marwick, Mitchell and Co. entered into agreement on August 6, 1976 on work to be performed for Package V.
- (b) On August 6 and 7, 1976, PMM and Co. met with special consultants Barnes and Crow, Willet and Tinsley to discuss the engagement and by plans for the scheduling of work necessary to accomplish the tasks in the contract.
- (c) AACOG staff met with Terrell Blodgett, principal with PMM and Co., on August 12, 1976 to exchange questions and answers related to the Package V contract.
- (d) On September 21, 1976, AACOG staff met with Mr. Blodgett and Thomas Koch, Package I consultant, to discuss coordination efforts of 208/201 planning. PMM and Co is to identify the legal implications of alternatives incorporating either irrigation or diversion through Braunig and/or Calaveras Lake.
- (e) Status report for August, Month I, received by AACOG on October 5, 1976. Report for September is pending.

2. The following events are scheduled to occur in the next quarter.

- (a) Report on the "3 Lake" problems.
- (b) Report on Task 3.11 included in the monthly report for September.
- (c) Product on Task 3.12 due on December 3, 1976.
- (d) Product on Task 3.13 due December 3, 1976.
- (e) User costs/Industrial cost recovery seminar to be held on December 3, 1976

- (f) Products due by P.M.M. & Co., which do not require linkage with other consultants on CPM chart, may be allowed slight flexibility as to their due dates. (See CPM chart for tasks affected).

F. Package VI - Public Participation

- 1. The work performed this quarter was the following:
 - (a) The four finalists for Public Participation contract were interviewed on July 2, 1976. In addition to the staff and members of the Public Participation Subcommittee, Mr. L. Benke and B. Wallis were present. The four finalists were:
 - 1. NARIS, Inc.
 - 2. The Pitluk Group
 - 3. League of Women Voters
 - 4. Atkins and Associates
 - (b) Several meetings were held with the Public Participating Subcommittee during the months of July and August to discuss selection of consultant for Package VI.
 - (c) On September 14, 1976 a meeting was held in Judge Reeves' chambers to select a consultant. In addition to the staff, Mr. Dramberger and Mr. Buecker of the committee and Mr. H. B. Zachry were present. The decision to propose the joint venture of Pitluk Group/League of Women Voters was unanimous.
 - (d) On July 26, 1976 the APAC voted to recommend to the AACOG Executive Committee the Joint Venture Pitluk/LWV.
 - (e) On July 28, 1976 the AACOG Executive Committee directed the Executive Director to enter into contract negotiations with joint venture Pitluk/LWV.
 - (f) A meeting was held on September 30 with Pitluk to finalize the Program Design.
 - (g) A "208" presentation will be made to the Boerne Lions Club on November 4, 1976.
 - (h) Mr. G. Hartman, member of the Executive Committee, was a speaker in a 208 conference held in Chicago on September 23, 1976.

2. The events scheduled for the next quarter are the following:

- (a) Approval of contract.
- (b) Initiate education phase of Public Participation.

G. Task 2.31 - Socio-economic Projection

Although originally scheduled for completion by October 8, 1976, Task 2.31 is approximately two-thirds completed due to the coordination with master plan development for the City of San Antonio. Progress on the contract is as follows:

- (a) 1975 land use acreages - acreage measurement of the 1975 land use map by census tracts and enumeration districts (ED) has been completed. A methodological write-up on existing land use measurement and compatibility comparisons has been completed.
- (b) Population projections - A draft methodology for distributing population by census tracts and ED's has been completed and returned for minor revision and amplification. Draft tables of distributed forecast population for each of the four scenarios have been completed, reviewed, and returned for minor adjustment to be compatible with small cities' population data. A methodology and forecast table have been produced for Olmos City Population Projections using a variation of the declining rate method.
- (c) Employment projections - Employment projections are completed. Draft reports are expected in October, 1976.
- (d) Land Use projections - Preliminary methodologies have been developed to quantify and distribute land use based on population distribution, employment distribution, platting activity, park plans, and other land related plans.

The additional products listed in the quarterly report of April-June, 1976, are anticipated to be completed by the end of the Oct.-Dec. quarter. In addition, similar products for a fifth scenario based on the adopted master plan for the City of San Antonio will be begun during the Oct.-Dec. quarter.

III. Inter-Program Relationships

This past quarter found the staff actively involved in 201 and solid waste coordination. The conference/meeting memorandums attached outline the work performed and is indicative of the time expended by the staff on this aspect of 208 planning.

This period the AACOG 208 staff and Mr. Ty Probasco AACOG Open Space Manager were interviewed by a representative of the National Recreation and Park Association (NRPA). The following is a narrative prepared by Mr. Probasco of the coordination being effected at the Alamo Area Council of Governments.

In efforts to begin to assess existing and projected 201 facilities plans for their potential in meeting additional public needs for park and recreation functions in addition to their primary function of sewage treatment, AACOG has begun to integrate staff efforts from its Open Space program into the "208" planning process.

In March, 1973, the AACOG Executive Committee adopted several policies relative to the wise and more efficient use of the open space lands within the Region. Two of these adopted policies relate directly to the 201-208 processes and are as follows:

"It shall be regional policy to encourage those projects which promote the linkage of established permanent open spaces, by the use of natural or man-made corridors, and which recognize the multi-use potential of public and private easements and right-of-ways where such use is desirable and feasible."

and

"It shall be regional policy to encourage those projects which include the development of mined sites and liquid and solid waste disposal sites for public-use open space, where such development is feasible and would contribute toward reaching the regional open space goals."*

*These goals were established in the Regional Open Space Plan.

Action taken thus far to support these policies, with particular regard to the 201 agencies, is as follows:

1. Participation in the San Antonio Bicycle Trails Task Force, which collectively has recommended to the San Antonio City Council the adoption of a policy which would include trail and public access rights as part of future new or renegotiated right-of-ways for major trunk and collector lines. This proposed policy has not yet been adopted by the City Council, and was referred back to the City Planning Department along with the proposed Hike-Bike plan in which it was recommended. AACOG is working directly with City Planning staff to insure that such a policy consideration is included in their current master planning effort.

2. The Open Space staff is also working with the Cibolo Creek Municipal Authority and the six cities within or near their service area (Cibolo, Schertz, Universal City, Selma, Live Oak, and Converse) as well as Randolph AFB, to develop a plan for an extensive regional park system to serve the area. Initial efforts and meetings with respective officials indicate that a portion of this system will in all likelihood be contained on land areas which are

- a. part of the new CCMA plant site, and
- b. several smaller plant sites, now being abandoned due to the new plant installation.

Preliminary results of these and future inter-intra-agency staff and policy-maker interactions indicate a good possibility for a relatively high correlation between 201-208 planning and park and recreation planning in establishing several multiple-use areas to help meet the needs of both interests.

In this regard, recent conversations between the Open Space staff and Ms. Helen Fenske of the Washington EPA Office indicate that the local 201-208 process will be publicized as a case study model as a result of investigations by the National Recreation and Park Association (NRPA) under contract with EPA to assess the correlation between wastewater treatment and facility planning and the provision of park and recreation facilities.

Staff will continue efforts to prepare an open space plan for the area which will maximize available resources, and continue to coordinate these efforts with the ongoing 208 areawide waste treatment management planning process.

A conference was held with R. E. Beatty, Director of Districts No. 1 and 2, Oil & Gas Division, Texas Railroad Commission, in San Antonio on July 14, 1976 to discuss

various aspects of potential pollution by oil and gas production in the AACOG "208" planning area. Many hundreds of shallow oil wells were drilled in the southern part of the planning area during the early 1900's. These produced, and are still producing, relatively small amounts of fluid from shallow depths. Production is primarily from the Olmos Sand of the Navarro Group and the Anacacho sand of the Taylor Group, both Upper Cretaceous in Age. The Railroad Commission mandated an extensive oilfield anti-pollution program beginning in 1964 (statewide no pit order and lease clean up). This action resulted in significant improvement in state surface waters and groundwater. Mr. Beatty recognizes no significant water pollution problems currently existent in the "208" planning area, but his agency's surveillance program continues.

Attended the EPA sponsored Residuals Management Workshop, Dallas, Texas, August 19, 1976 in connection with the non-point source segment of "208" planning. This meeting addressed the various alternatives of residual waste management planning strategy including solids, liquids and sludge generated by activities in the urban, agricultural, industrial and mining environment. Participants aired problems encountered during the development of their contractual packages and discussed methods of development of corrective measures. Emphasis was placed upon general criteria applicable to residual waste planning.

The release of additional monies resulting from the loss by EPA of NARC vs. Train generated considerable interest and discussion regarding additional funding to current "208" planning agencies.

A request from Ms. Zoraida Carballeira, Water Supply Office, EPA Headquarters for a statistical summary of all federally funded projects in the Edwards Aquifer recharge zone was honored by AACOG. Projects for which information was collected were those evaluated in the A-95 review process (CAPEO also cooperated with AACOG and submitted a list of projects in the recharge zone covering the counties of Travis and Williamson. Several attempts to obtain similar information from the Middle Rio Grande Development Council met with no success. The data will be used by Ms. Carballeira in her assessment of Sec. 1424(e), P.L. 93-523 (the Gonzales Amendment to the Safe Drinking Water Act). A copy of all data was also forwarded to William Hathaway, Water Programs Branch, EPA Region VI, Dallas, Texas.

Attend a public hearing of the Texas Coastal Zone Management Program, El Tropicano Motel, August 30, 1976. This hearing, chaired by Bob Armstrong, Commissioner, General Land Office of Texas. The program developed a nominal amount of discussion pertaining to the "208" planning effort by addressing the effect of water quality and water quantity of the San Antonio River on the San Antonio Bay and adjoining estuarine Areas.

IV. Required Inter-Agency Action

As of August 2, 1976 contracts for San Antonio River Authority, Engineering Science/Seligmann and Pyle, Parsons, Brinckerhoff, Quade and Douglas/Ozuna and Associates are in EPA headquarters being reviewed and audited. We expect approval by the 15th of October.

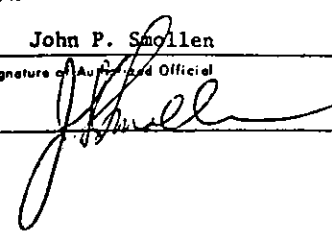
The Pitluk Group/LWV contract will be submitted to the Texas Water Quality Board and EPA for approval and AACOG, APAC committees will be asking their help in expediting the approval process.

V. Expense Report

The normal expense reports are enclosed. The Report of Federal Cash Transactions reflects a negative cash on hand this is due to the accounting convention of reporting accrued expenses.

VI. Report of Contractor's Progress

Since C. Thomas Koch, Inc. was the only consultant to invoice AACOG during this quarter, with the exception of TWQB, only a report of his progress by task by quarter is included.

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT REPORT OF FEDERAL CASH TRANSACTIONS		1. Federal Agency and Organizational Element Environmental Protection Agency																					
2. Name of Grantee Organization Alamo Area Council of Governments <small>STREET NO. AND NAME</small> 118 Broadway Suite 400 Three A Building <small>CITY STATE ZIP CODE</small> San Antonio, Texas 78205		4. Federal Grant No. or Other Identifying No. 68013-9706	5. Grantee's Account No. or Identifying No. 57																				
		6. Letter of Credit No. 68 13 060 1	7. Last Payment Voucher No. 2103015																				
		8. Number of Payment Vouchers 1	9. No. of Treasury Checks Received 																				
3. Federal Employer Identification No. 74 1557491		10. Report Period (Month, Day, Year) FROM <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px;">07</td><td style="width: 20px;">01</td><td style="width: 20px;">76</td></tr></table> TO <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px;">09</td><td style="width: 20px;">30</td><td style="width: 20px;">76</td></tr></table>		07	01	76	09	30	76														
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09	30	76																					
11. STATUS OF FEDERAL CASH <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 80%;">a. Cash on hand beginning of period</td><td style="width: 20%; text-align: right;">\$ 59,570.18</td></tr> <tr><td>b. Letter of credit withdrawals</td><td style="text-align: right;">\$ 60,000.00</td></tr> <tr><td>c. Treasury check payments</td><td style="text-align: right;">\$ -0-</td></tr> <tr><td>d. Total receipts (Sum of Lines b and c)</td><td style="text-align: right;">\$ 60,000.00</td></tr> <tr><td>e. Total cash available (Sum of Lines a and d)</td><td style="text-align: right;">\$ 119,570.18</td></tr> <tr><td>f. Gross disbursements</td><td style="text-align: right;">\$ 238,042.53</td></tr> <tr><td>g. Federal share of program income</td><td style="text-align: right;">\$ -0-</td></tr> <tr><td>h. Net disbursements (Line f minus Line g)</td><td style="text-align: right;">\$ 238,042.53</td></tr> <tr><td>i. Adjustments of prior periods</td><td style="text-align: right;">\$ -0-</td></tr> <tr><td>j. Cash on hand end of period</td><td style="text-align: right;">\$ (118,427.35)</td></tr> </table>				a. Cash on hand beginning of period	\$ 59,570.18	b. Letter of credit withdrawals	\$ 60,000.00	c. Treasury check payments	\$ -0-	d. Total receipts (Sum of Lines b and c)	\$ 60,000.00	e. Total cash available (Sum of Lines a and d)	\$ 119,570.18	f. Gross disbursements	\$ 238,042.53	g. Federal share of program income	\$ -0-	h. Net disbursements (Line f minus Line g)	\$ 238,042.53	i. Adjustments of prior periods	\$ -0-	j. Cash on hand end of period	\$ (118,427.35)
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12. The amount in item 11j represents cash requirements for the ensuing _____ days.																							
13. OTHER INFORMATION <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 80%;">a. Interest income</td><td style="width: 20%; text-align: right;">\$</td></tr> <tr><td>b. Advances to subgrantees</td><td style="text-align: right;">\$</td></tr> </table>				a. Interest income	\$	b. Advances to subgrantees	\$																
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14. REMARKS (Attach additional sheets if necessary) 																							
15. CERTIFICATION — I certify that to the best of my knowledge and belief this report is true in all respects and that all disbursements have been made for the purposes and conditions of the grant.																							
<small>Name</small> John P. Snollen	<small>Title</small> Director of Fiscal Affairs	<small>TELEPHONE</small> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 40px;"><small>Area Code</small> 512</td><td style="width: 40px;"><small>Number</small> 225 5201</td><td style="width: 40px;"><small>Ext.</small> 37</td></tr></table>		<small>Area Code</small> 512	<small>Number</small> 225 5201	<small>Ext.</small> 37																	
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<small>Signature of Authorized Official</small> 		<small>Date Report is Submitted</small> 																					
FOR AGENCY USE ONLY																							

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT		1. Federal Agency and Organizational Element	
REPORT OF FEDERAL CASH TRANSACTIONS		Environmental Protection Agency	
2. Name of Grantee Organization		3. Report Period (Month, Day, Year)	
ALAMO AREA COUNCIL OF GOVERNMENTS		FROM	TO
		07 01 76	09 30 76
4. Federal Grant No. or Other Identifying No.	5. Grantee's Account No. or Identifying No.	6. Federal Share of Net Disbursements	
		a. For the Period	b. Cumulative
		7/1/76-9/30/76	7/1/76-9/30/76
68013-9706	57	60,000.00	376,545.00
7. TOTALS		60,000.00	376,545.00

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT FINANCIAL STATUS REPORT		1. Federal Agency and Organizational Element Environmental Protection Agency			2. Federal Grant No. or Other Identifying No. 68018 9706						
3. Name and Address of Grantee Organization Alamo Area Council of Governments 400 Three Americas Building San Antonio, Texas 78205		4. Employer Identification No. 74 1557491		5. Grantee Account No. or Identifying No. 57		6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
		8. Project Period (Month, Day, Year) FROM 07 01 75 TO 6 30 77		9. Report Period (Month, Day, Year) FROM 07 01 76 TO 9 30 78		7. Basis of Report <input checked="" type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrued Expenditures					
10. STATUS OF FUNDS		PROGRAMS — FUNCTIONS — ACTIVITIES									
		(1)	(2)	(3)	(4)	(5)	(6)	TOTAL			
		a. Total outlays previously reported						256,974.82			
		b. Total program outlays this period						238,042.53			
		c. Less: Program income credits						-0-			
		d. Net program outlays this period						238,042.53			
		e. Total program outlays to date						495,017.35			
		f. Less: Non Federal share of program outlays						-0-			
		g. Total Federal share of program outlays						495,017.35			
		h. Total unpaid obligations						-0-			
i. Less: Non Federal share of unpaid obligations						-0-					
j. Federal share of unpaid obligations						-0-					
k. Total Federal share of outlays and unpaid obligations						495,017.35					
l. Total Federal funds authorized						1162,112.24					
m. Unobligated balance of Federal funds						667,094.89					
11. Indirect Expense: a. Type of rate (Mark box) <input checked="" type="checkbox"/> Provisional <input type="checkbox"/> Final <input type="checkbox"/> Predetermined <input type="checkbox"/> Fixed		12. REMARKS (Attach additional sheets if necessary)				13. CERTIFICATION — I certify that to the best of my knowledge and belief this report is correct and complete and that all outlays and unpaid obligations are for the purposes set forth in the grant award documents.					
b. Rate 42.94/4619	c. Base 128,883.58							Name John P. Smollen		Title Dir. Fiscal Affairs	
d. Total amount 57,620.78	e. Federal share 57,620.78							TELEPHONE 225 5201-37		Date Report is Submitted 10/19/76	

"208" AREAWIDE WASTE TREATMENT MANAGEMENT PLANNING

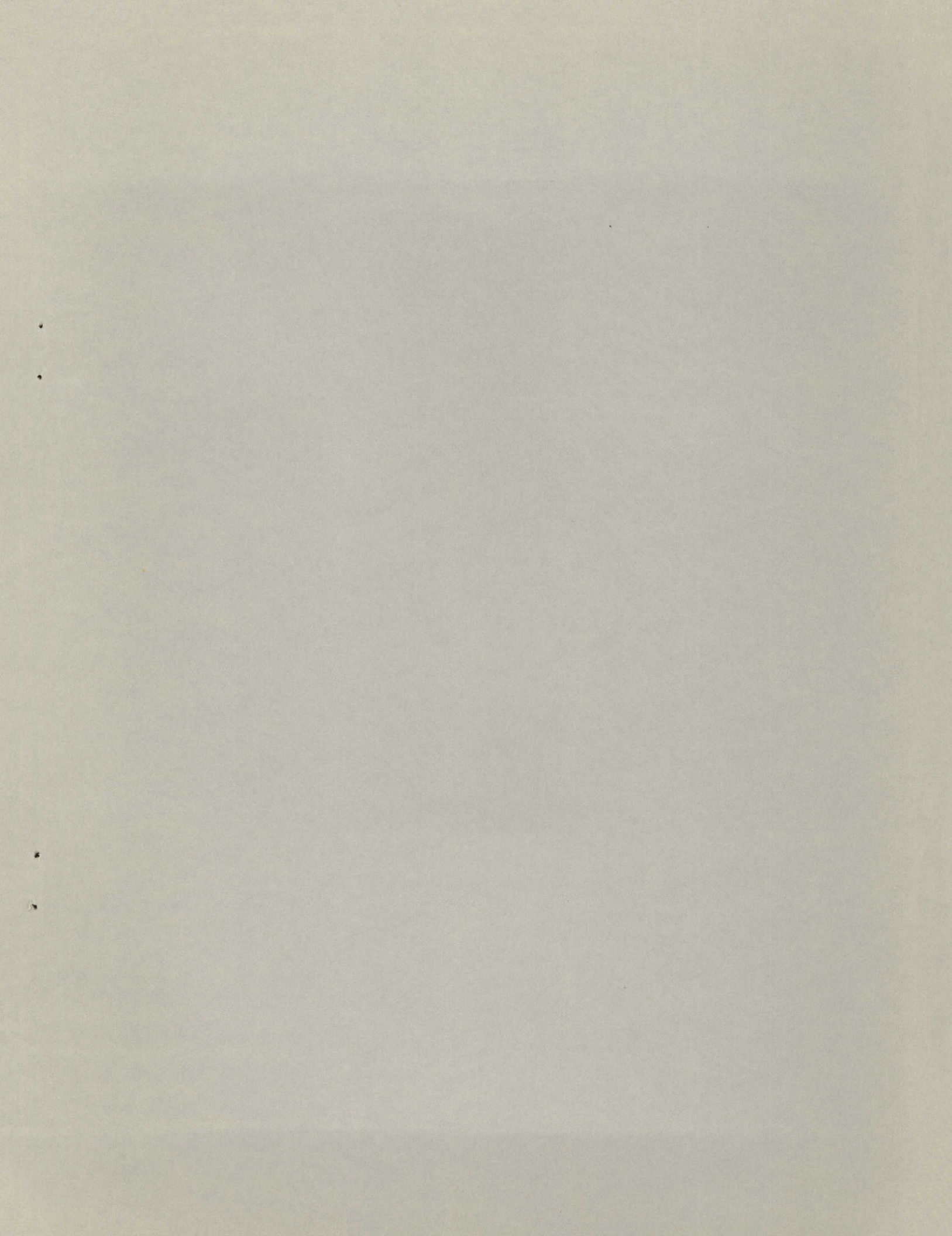
MILESTONE REPORT: Third Quarter - 1976

ACTUAL EXPENSE

ITEM	BUDGET	EXPENDED	TO DATE	BALANCE
PERSONNEL	\$ 256,868.16	19,992	128,884	127,984
TRAVEL	7,500.00	2,056	4,471	3,029
EQUIPMENT	5,000.00	-0-	3,470	1,530
CONTRACTUAL	691,670.00	12,958	64,697	626,973
OTHER	30,000.00	5,938	15,743	14,257
INDIRECT CHARGES	171,074.08	18,890	76,874	94,200
TOTAL	\$1,162,112.24	59,834	294,139	867,973

FINANCIAL BUDGET REPORT**"208" AREAWIDE WASTE TREATMENT MANAGEMENT PLANNING**CONTRACTOR C. Thomas Koch, Inc.QUARTER / YEAR 1/76PAGE 1 OF 1CONTRACT REFERENCE : Package IDATE : October 25, 1976

TASK NO.	THIS QUARTER (\$)				NEXT QUARTER (\$)		PROJECT TO DATE (\$)			
	BUDGET	ACTUAL	VARIANCE	WORK % COMP.	BUDGET	WORK % COMP.	BUDGET	ACTUAL	VARIANCE	WORK % COMP.
2.11	6168.00	7134.88	+971.88	86	2392.00	100	6168.00	7139.88	+971.88	86
2.12	1784.00	591.50	-1192.50	10	1784.00	100	1784.00	591.50	-1192.50	10
2.13	1784.00	-0-	-1784.00	10	1784.00	100	1784.00	-0-	-1784.00	10
2.14	-0-	3154.00	+3154.00	20	7032.00	95	-0-	3154.00	+3154.00	20
2.32	-0-	-0-	-0-	-0-	1712.00	20	-0-	-0-	-0-	-0-
2.61	-0-	-0-	-0-	-0-	1784.00	10	-0-	-0-	-0-	-0-
5.61	6480.00	7539.71	+1059.71	50	7768.00	70	6480.00	7539.71	+1059.71	50
TOTAL	16216	18424	2208	20	24,256	50	16216	18,424	2208	20



MAY 26 1978

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