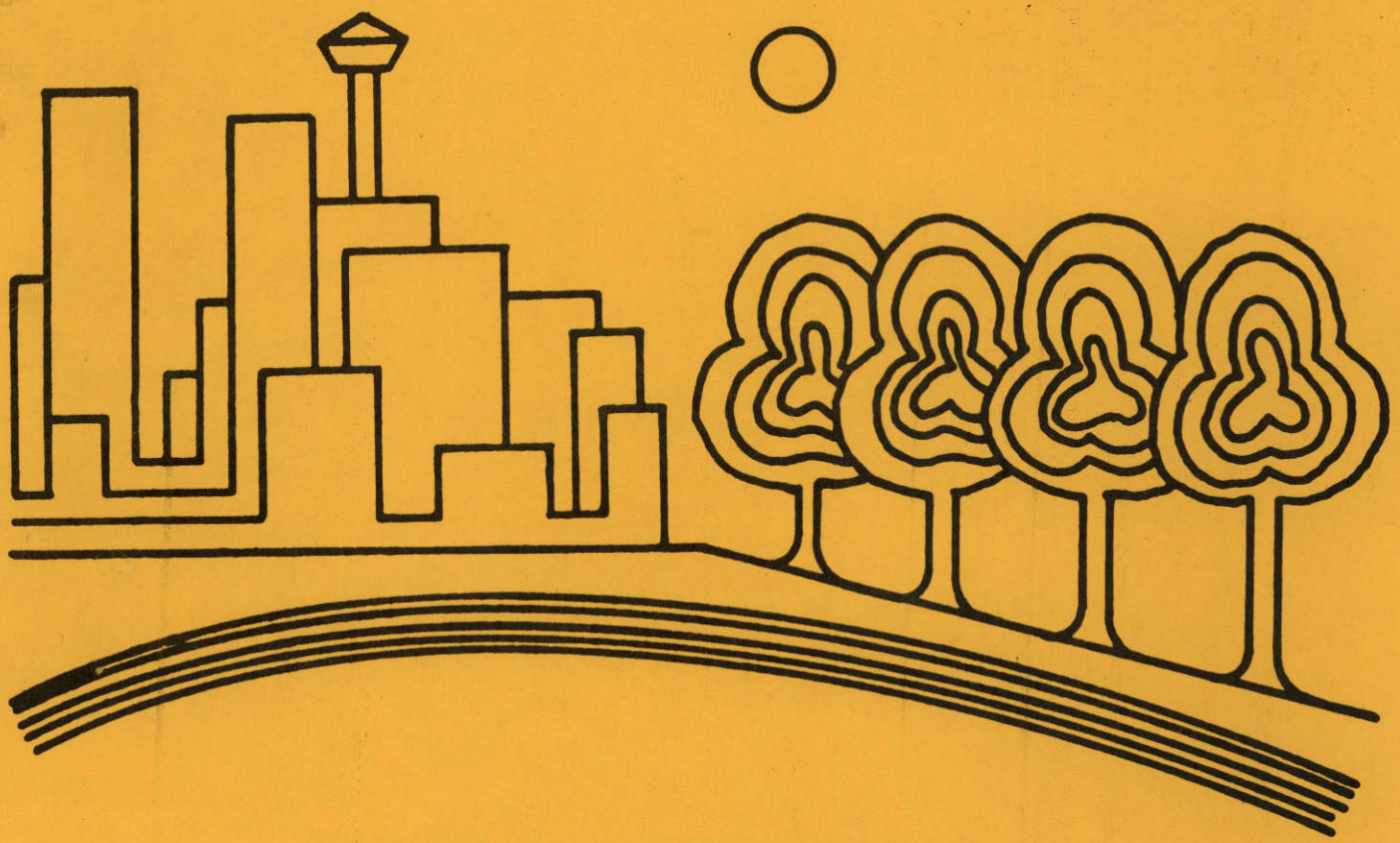


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TX
STORAGES



Areawide Waste Treatment Management Plan



Project Management
Quarterly Report
April - June , 1977

alamo area council of governments

aaog alamo area council
of governments

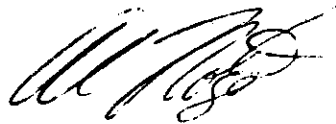
July 28, 1977

Mr. Craig Shepard
Project Officer
Environmental Protection Agency
Region VI
First International Bldg.
1201 Elm Street
Dallas, TX
75270

Dear Craig:

I am submitting for your approval the April -
June, 1977, Project Management Quarterly Report.

Sincerely,



Al J. Notzon, III
Executive Director

AJN/df

Attach.

AREAWIDE WASTE TREATMENT
MANAGEMENT PLAN

MILESTONE REPORT

ALAMO AREA COUNCIL OF GOVERNMENTS
Three Americas Building
San Antonio, Texas 78205

Grant Number: 680139706

Grant Amount: \$1,162,112.24

MILESTONE REPORT NUMBER 8
April - June, 1977

Elapsed Time	<u>50%</u>
Funds Expended	<u>64%</u>
Work Accomplished	<u>45%</u>

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 Amendments of 1972, as amended.

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ACKNOWLEDGEMENTS

"208" AREAWIDE PLANNING ADVISORY COMMITTEE

Name/Representing

H. B. Zachry, Chairman
Greater San Antonio Chamber
of Commerce

Robert G. Barrick
Texas Dept. of Health
Resources

Ralph Bender

Lloyd Benke
Farming & Ranching Interest

Calvin Boeck
Alamo Soil & Water
Conservation District

Albert Brown
Bexar County

Robert V. Buck
North San Antonio Chamber
of Commerce

Robert C. Buecker
Guadalupe County Cities

Charles Chandler
Texas Water Development
Board

A. L. Dramberger
Bexar County

Raul Fernandez

Olivia Garza

Kirby Gholson
Texas Parks & Wildlife Dept.

Emmett Gloyna
U. S. Bureau of Reclamation

Robert L. Gragg

Name/Representing

Charles J. Hahn
Bexar County Council
of Mayors

Charles W. Johnstone
Randolph Community Council

Edward J. Kadlecek, Jr.
Dept. of the Air Force

Edward Koepp, Jr.
City of La Vernia

Glenn H. Kothmann
Bexar County

E. L. Krause
City Public Service Board

Richard Lewis
Governor's Office

John Longoria
Southside Neighborhood
Assistance Corp.

John R. Martin

John McKetta
University of Texas - Austin

Thomas C. Moreno
Bexar County Metropolitan
Water District

Ruben Munguia
Public Interest Groups -
West San Antonio

Dan A. Naranjo

Sam Nott
Environmental Protection Agency

"208" AREAWIDE PLANNING ADVISORY COMMITTEE

Name/Representing

Sam Parnes
Private Permit Holders

Fred Pfeiffer
San Antonio River Authority

Richard Prater
Cibolo Creek Municipal
Authority

Blair Reeves
Bexar County

Gregory Rice
Public Interest Groups -
South San Antonio

Stanley Rosenberg

Tommy Royal
Texas Water Quality Board

John Specht
Guadalupe-Blanco River
Authority

Raymond E. Stotzer, Jr.
State Dept. of Highways &
Public Transportation

Melvin Sueltenfuss
City of San Antonio

Chesley Swann
Greater San Antonio
Builders Association

Robert Van Dyke
City Water Board

George Vann
City of San Antonio

Ralph Wagner
Dept. of the Army

Ben A. Wallis, Jr.

Name/Representing

Nelda Weatherly
Public Interest Groups -
North San Antonio

E. W. Wehman, Sr.
Texas Soil & Water
Conservation Board

Col. McDonald Weinert
Edwards Underground Water
District

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)

Pat Henry
Environmental Planner (Ext. 58)

Paula Marvel
Public Information Coordinator (Ext. 35)

Frank R. Lozano
Graphics Department (Ext. 75)

Darlene R. Fojt
Secretary (Ext. 49, 74)

Weldon Hammond (Part-time)
Special Programs Manager

AACOG "208" CONSULTANTS

SYSTEMS TRAINING

DATA SYSTEMS DEVELOPMENT

C. Thomas Koch, Inc.

C. Thomas Koch - Project Manager
C. Thomas Koch, Inc.
Rural Rt. 1, Box 161
Blanco, TX 78606
512/833-4133
Project Officer: Rob Salvagno

STREAM CHARACTERIZATION

San Antonio River Authority

Russell Masters - Project Manager
San Antonio River Authority
P. O. Box 9284, Guilbeau Station
San Antonio, TX 78204
512/227-1373
Project Officer: Patricia A. Henry

POLLUTION SOURCES

Engineering-Science, Inc./Seligmann & Pyle

Lial F. Tischler, Ph.D. - Project Manager
Engineering-Science, Inc.
3109 North Interregional
Austin, TX 78722
512/477-9901

Joe N. Pyle - Project Manager
Seligmann & Pyle Consulting Engineers
3918 Naco-Perrin Blvd.
San Antonio, TX 78217
512/226-2153
Project Officer: Arthur L. Jenke

ALTERNATIVES EVALUATION

Parsons, Brinckerhoff, Quade, & Douglas, Inc./
Ozuna and Associates

Melvin J. Kohn - Project Manager
Parsons, Brinckerhoff, Quade, & Douglas, Inc.
1515 West Mockingbird Lane, Suite 115
Dallas, TX 75235
214/630-6811

George Ozuna, Jr. - Regional Coordinator
Ozuna and Associates
8118 Broadway
San Antonio, TX 78209
512/828-1431
Project Officer: Rob Salvagno

MANAGEMENT AGENCIES

Peat, Marwick, Mitchell & Co.

Terrell Blodgett - Project Manager
Peat, Marwick, Mitchell & Co.
2100 Austin National Bank Tower
Austin, TX 78701
512/478-7476
Project Officer: Jaime B. Ornelas

PUBLIC PARTICIPATION

The Pitluk Group/League of Women Voters

Stephen Plum - Project Manager
The Pitluk Group
100 Richmond
San Antonio, TX 78205
512/223-6131

June Kachtik - Project Manager
League of Women Voters
1017 N. Main
San Antonio, TX 78212
512/226-3612
Project Officer: Paula Marvel

AACOG "208" CONSULTANTS
Page 3

POPULATION PROJECTIONS & LAND USE

City of San Antonio
Bob Hunter
Project Officer: Patricia A. Henry

I.

MILESTONE AND PAYMENT SCHEDULE

<u>Milestone</u>	<u>Output</u>	<u>Tasks to be Certified</u>
10%	-	-
1	-	-
2	-	-
3	-	-
4	-	-
5	-	1.11 - 1.15
6	-	-
7	-	-
8	-	-
9	Population Projections	2.31
10	-	-
11	Technical/Management Alternatives	2.11-2.14, 2.21-2.24, 2.32, 2.41-2.43, 2.51-2.57, 2.61-2.65, 2.71-2.72, 3.11-3.42.
12	Recommended Areawide Plan and Management Agencies	2.58, 2.59, 4.12, 5.11-5.18, 6.11-6.13, 7.10.

<u>Milestone</u>	<u>Quarter</u>	<u>Amount</u>
10% Advance	July 1, 1975	\$ 116,211
1	Aug-Oct, 1975	56,378
2	Nov-Jan, 1976	44,006
3	Jan-Mar, 1976	66,903
4	Apr-June, 1976	67,477
5	July-Sept, 1976	59,834
6	Oct-Dec, 1976	78,438
7	Jan-Mar, 1977	141,746
8	Apr-June, 1977	120,000
9	July-Sept, 1977	85,528
10	Oct-Dec, 1977	85,528
11	Jan-Mar, 1978	118,000
12	Apr-June, 1978	85,063
13	July-Aug, 1978	37,000
		<u>\$ 1,162,112</u>

<u>Milestone</u>	<u>40 CFR Elements</u>
9	c
11	a,b,d,e,f,g,k,l
12	h,j,m,n,o,p

TASK	DESCRIPTION
I SYSTEMS AND DATA	
2.11	INVENTORY, COLLECT AND REVIEW BASIC DATA
2.12	IDENTIFICATION OF EXISTING WATER QUALITY PROBLEMS
2.13	ANALYSIS OF WATER USES
2.14A	WATER QUALITY MANAGEMENT DATA SYSTEM
2.14B	
2.61A	DEVELOPMENT OF A MODULAR PROCESSOR
2.61B	
2.61C	
2.32	AUTOMATION OF LAND USE PROJECTION PROCESS
5.16A	PREPARATION OF IMPLEMENTING, AMENDING AND UPDATING PROCEDURES
6.16B	
6.16C	
II STREAM CHARACTERIZATION	
2.55A	DEVELOP SAMPLING PROGRAM TO DETERMINE LOCATION AND MAGNITUDE OF NON-POINT WASTELOADS
2.55B	
2.55C	
2.62	DEMONSTRATE SAMPLING PROGRAM
2.62	ASSESS THE ADAPTABILITY OF THE SAN ANTONIO RIVER BASIN WATER QUALITY MANAGEMENT PLAN
2.71A	SEGMENT ANALYSIS
2.71B	
III POLLUTION SOURCES	
2.21	INVENTORY OF POINT SOURCES
2.22	DEFINE POINT SOURCE CONTROL ALTERNATIVES
2.23	COST OF POINT SOURCE ALTERNATIVES
2.24	ENVIRONMENTAL ASSESSMENT OF POINT SOURCE CONTROL ALTERNATIVES
2.51	MAGNITUDE OF NON-POINT SOURCE URBAN RUNOFF
2.52	ASSESS MAGNITUDE OF SOLID WASTE DISPOSAL AS A NON-POINT SOURCE OF POLLUTION
2.53	ASSESS SEPTIC TANK IMPACTS
2.54	ASSESS THE MAGNITUDE OF AGRICULTURAL, MINING, CONSTRUCTION, AND HYDROLOGIC MODIFICATION ACTIVITIES
2.55	DEFINE CONTROL STRATEGIES FOR NON-POINT SOURCE POLLUTION CATEGORIES
2.56	COST OF NON-POINT SOURCE CONTROL ALTERNATIVES
2.57	ENVIRONMENTAL ASSESSMENT OF NON-POINT SOURCE STRATEGIES
IV ALTERNATIVES EVALUATION	
2.63	SUBWATERSHED COMPUTATION DOCUMENT
2.64	PROJECT POINT AND NON-POINT SOURCE WASTELOAD PROJECTION
2.65	ALTERNATIVE SYSTEMS CONFIGURATIONS
2.72	DEVELOP ALTERNATIVE POINT AND NON-POINT SUBPLANS
4.11A	ASSESSMENT OF THE IMPACTS OF WASTE TREATMENT ALTERNATIVES ON WATER RESOURCE DEVELOPMENT IN THE SAN ANTONIO "208" PLANNING AREA
4.11B	
4.12A	DECISION ANALYSIS CRITERIA AND ASSESSMENT FOR "208" PLANNING IN SAN ANTONIO
4.12B	
4.12C	
5.11A	SELECTION OF AN OPTIMAL PLAN FOR SAN ANTONIO "208" WASTE TREATMENT MANAGEMENT
5.11B	
5.12	PREPARE THE PROPOSED PHYSICAL FACILITIES PLAN ELEMENTS
5.14A	ENVIRONMENTAL IMPACT ASSESSMENT
5.14B	
V MANAGEMENT AGENCIES	
3.11	INVENTORY OF ALL AGENCIES HAVING WATER QUALITY RESPONSIBILITIES WITHIN THE SAN ANTONIO "208" PLANNING AREA
3.12A	INTERGOVERNMENTAL DEVICES
3.12B	
3.13A	ANALYZE EXISTING WATER QUALITY MANAGEMENT PROGRAMS WITHIN THE SAN ANTONIO "208" PLANNING AREA
3.13B	
3.14A	INSTITUTIONAL CHANGES
3.14B	
3.21	DEVELOPMENT OF CONCEPTUAL APPROACHES
3.31	CRITICAL COMPARISON OF EXISTING MANAGEMENT OPTIONS
3.41	ALTERNATIVE ORGANIZATION SUBPLANS FOR AREAWIDE WASTE TREATMENT MANAGEMENT
5.13A	MANAGEMENT AGENCY OR AGENCIES RECOMMENDATIONS
5.13B	
5.15A	PREPARATION OF LEGISLATIVE AND REGULATORY PROGRAMS
5.15B	
VI PUBLIC INVOLVEMENT	
1.16A	PUBLIC PARTICIPATION / EDUCATION
1.16B	
1.16C	
3.42	PUBLIC MEETINGS
5.17A	PREPARE FINAL DRAFT OF PLAN
5.17B	
5.18A	PUBLIC HEARING
5.18B	
6.12	AACOG ADOPTION OF "208" PLAN
6.13	ADOPTION OF THE "208" PLAN BY TWQB, GOVERNOR'S OFFICE AND DESIGNATION OF MANAGEMENT AGENCY / AGENCIES
VII FORECASTING AND REVIEW	
2.31A	POPULATION, EMPLOYMENT, AND LAND USE PROJECTIONS
2.31B	
2.41	IDENTIFY DATA REQUIREMENTS TO ADAPT MODELS TO HIGH FLOW CONDITIONS, IMPROVE PARAMETRIC COVERAGE AND IMPROVE ACCURACY OF EXISTING MODELS
2.42	COLLECT DATA TO IMPROVE MODELS
2.43	REVISE COEFFICIENTS FOR EXISTING MODELS
6.11A	REVIEW AND APPROVAL OF PROPOSED PLAN BY ALL LOCAL GOVERNMENTAL ENTITIES REQUIRED BY SECTION 208 OF PL 92-500
6.11B	
7.10	APPROVAL OF PLAN BY EPA (ENVIRONMENTAL PROTECTION AGENCY)

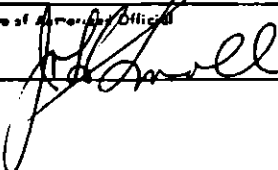
II. "208" AREAWIDE WASTE TREATMENT MANAGEMENT PLANNING

MILESTONE REPORT: April-May-June 1977

ACTUAL EXPENSE

ITEM	BUDGET	EXPENDED	TO DATE	BALANCE
PERSONNEL	256,868.16	37,234.66	228,562.20	28,305.96
TRAVEL	7,500.00	202.84	6,479.89	1,020.11
EQUIPMENT	5,000.00	156.82	3,626.82	1,373.18
CONTRACTUAL	691,670.00	107,347.81	386,981.40	304,688.60
OTHER	30,000.00	1,372.29	22,272.69	7,727.31
INDIRECT CHARGES	171,074.08	(15,647.48)*	98,513.88	72,560.20
TOTAL	1,162,112.24	130,666.94	746,436.88	415,675.36

* Due to audit adjustments FY 76 and the reprogramming of E.P.A. person, Arthur Jenke, to the personnel cost line item.

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		4. Federal Grant No. or Other Identifying No. 68013 9706	5. Grantee's Account No. or Identifying No. 57	
STREET NO. AND NAME 400 Three Americas Bldg.		6. Letter of Credit No. 68-13-0601	7. Last Payment Voucher No. 2103019	
STATE ZIP CODE San Antonio, Texas 78205		8. Number of Payment Vouchers	9. No. of Treasury Checks Received	
3. Federal Employer Identification No. 74 1557491		10. Report Period (Month, Day, Year) FROM 01 01 77 TO 06 30 77		
11. STATUS OF FEDERAL CASH				
a. Cash on hand beginning of period		\$ 52,222.15		
b. Letter of credit withdrawals		\$ 228,000.00		
c. Treasury check payments		\$ - 0 -		
d. Total receipts (Sum of Lines b and c)		\$ 228,000.00		
e. Total cash available (Sum of Lines a and d)		\$ 280,222.15		
f. Gross disbursements		\$ 130,666.94		
g. Federal share of program income		\$ - 0 -		
h. Net disbursements (Line f minus Line g)		\$ 130,666.94		
i. Adjustments of prior periods		\$ - 0 -		
j. Cash on hand end of period		\$ 149,555.21		
12. The amount in item 11j represents cash requirements for the ensuing _____ days.				
13. OTHER INFORMATION				
a. Interest income		\$		
b. Advances to subgrantees		\$		
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.				
Name John P. Smoller		Title Fiscal Director		TELEPHONE Area Code 512 Number 225-5201 Ext. 37
Signature of Agency Official 		Date Report is Submitted July 22, 1977		
FOR AGENCY USE ONLY				

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 400 Three Americas Bldg. San Antonio, Texas 78205		3. Report Period (Month, Day, Year) FROM 04 01 77 TO 06 30 77	
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
68013 9706	57	\$ 228,000.00	\$ 784,545.00
7. TOTALS		\$ 228,000.00	\$ 784,545.00

FINANCIAL STATUS REPORT		1. Federal Agency and Organizational Element Environmental Protection Agency		2. Federal Grant No. or Other Identifying No. 68013 9706							
3. Name and Address of Grantee Organization Alamo Area Council of Governments 400 Three Americas Bldg. San Antonio, Texas 78205		4. Employer Identification No. 74-15574591	5. Grantee Account No. or Identifying No. 57	6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
		7. Basis of Report <input checked="" type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrued Expenditures									
		8. Project Period (Month, Day, Year) FROM 05 16 76 TO 05 15 78		9. Report Period (Month, Day, Year) FROM 04 01 77 TO 06 30 77							
10. STATUS OF FUNDS	PROGRAMS - FUNCTIONS - ACTIVITIES										
		(1)	(2)	(3)	(4)	(5)	(6)	TOTAL			
	a. Total outlays previously reported							\$ 615,769.94			
	b. Total program outlays this period							130,666.94			
	c. Less: Program income credits							- 0 -			
	d. Net program outlays this period							130,666.94			
	e. Total program outlays to date							746,436.88			
	f. Less: Non-Federal share of program outlays							- 0 -			
	g. Total Federal share of program outlays							746,436.88			
	h. Total unpaid obligations							265,933.41			
	i. Less: Non-Federal share of unpaid obligations							- 0 -			
	j. Federal share of unpaid obligations							265,933.41			
	k. Total Federal share of outlays and unpaid obligations							1,012,370.29			
	l. Total Federal funds authorized							1,162,112.24			
m. Unobligated balance of Federal funds							149,741.95				
11. Indirect Expense - a. Type of rate (Mark box) <input type="checkbox"/> Provisional <input type="checkbox"/> Final <input type="checkbox"/> Predetermined <input checked="" 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 42.94/46.19	c. Base 215,942.58							Name John P. Smollen		Title Fiscal Director	
d. Total amount 89,477.04	e. Federal share 89,477.04							Signature <i>John P. Smollen</i>		TELEPHONE 512-225-5201 37 Date Report is Submitted July 22, 1977	

"208" AREAWIDE WASTE TREATMENT MANAGEMENT PLANNING

MILESTONE REPORT: Second Quarter, 1977

CONTRACTORS EXPENSE

PACKAGE	CONTRACTOR	TOTAL CONTRACTUAL FEE	INVOICED TO DATE	PAID TO DATE	BALANCE
I	C. T. KOCH, INC.	\$ 80,000.00	78,228.37	64,341.39	15,658.61
II	S.A.R.A.	86,000.00	32,678.79	32,678.79	53,321.21
III	ES/SP	112,981.81	107,486.12	94,707.47*	18,274.34
IV	PBQD/OZUNA ASS.	114,730.00	26,387.90	22,487.08	92,242.92
V	PMM & CO.	104,000.00	44,117.65	36,117.65	67,882.35
VI	PITLUK/LWV	71,598.00	15,165.55	7,738.30	63,859.70

* This amount includes \$40,500.00 paid to Seligmann & Pyle Consulting Engineers, Inc., representing 90% of that firm's contract total of \$45,000.00.

"208" AREAWIDE WASTE TREATMENT MANAGEMENT PLANNING

CONTRACTOR C. Thomas Koch, Inc.

QUARTER / YEAR Second/1977

PAGE 1 OF 1

CONTRACT REFERENCE: Package I

DATE: June 30, 1977

TASK NO.	PROJECT BUDGET	PROJECT TO DATE (\$)				THIS QUARTER (\$)			
		BUDGET	ACTUAL	VARIANCE	% WORK COMP.	BUDGET	ACTUAL	VARIANCE	% WORK COMP.
2.11	8,560	8,560	7,502	-1,058	95	-0-	-0-	-0-	-0-
2.12	3,568	3,568	7,928	+4,360	95	-0-	-0-	-0-	-0-
2.13	3,568	3,568	313	-3,255	95	-0-	-0-	-0-	-0-
2.14	7,416	7,416	26,211	+18,795	95	-0-	-0-	-0-	-0-
2.32	8,904	2,760	968	-1,792	50	-0-	702	+702	5
2.61	22,272	22,272	7,292	-14,980	75	-0-	1,255	+1,255	5
5.16	22,672	19,257	28,014	+8,757	88	\$2,088	5,243	+3,155	3

"208" AREAWIDE WASTE TREATMENT MANAGEMENT PLANNING

CONTRACTOR San Antonio River Authority

QUARTER / YEAR Second/1977

PAGE 1 OF 1

CONTRACT REFERENCE: Package II

DATE: _____

TASK NO.	PROJECT BUDGET	PROJECT TO DATE (\$)				THIS QUARTER (\$)			
		BUDGET	ACTUAL	VARIANCE	WORK % COMP.	BUDGET	ACTUAL	VARIANCE	WORK % COMP.
2.58	16,049.75	16,049.75	411.91	15,637.84	85	5,362.07	411.91	4,950.16	85
2.59	37,871.11	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
2.62	12,169.56	12,169.56	14,166.09	+1,996.53	100	-0-	725.72		NA
2.71	44,721.25	44,721.25	18,100.79	26,620.46	45	10,428.23	5,815.66	4,612.57	15

"208" AREAWIDE WASTE TREATMENT MANAGEMENT PLANNING

CONTRACTOR E-S, Inc./Seligmann & Pyle

QUARTER / YEAR Second, 1977

PAGE 1 OF 1

CONTRACT REFERENCE: Package III

DATE: June 30, 1977

TASK NO.	PROJECT BUDGET	PROJECT TO DATE (\$)				THIS QUARTER (\$)			
		BUDGET	ACTUAL	VARIANCE	WORK % COMP.	BUDGET	ACTUAL	VARIANCE	WORK % COMP.
<u>SELIGMANN & PYLE</u>									
2.21*	\$22,525	\$22,525	\$25,099	+2,574	100	983	\$1,464	+481	5
2.22*	10,500	10,500	11,819	+1,319	99	1,862	3,417	+1,555	19
2.23*	7,500	7,500	6,745	-755	99	3,497	2,994	-503	39
2.24*	4,475	4,475	1,410	-3,065	60	4,332	1,267	-3,065	57
<u>ENGINEERING SCIENCE, INC.</u>									
2.51*	\$26,173	\$24,478	\$22,662	-1,816	99	-0-	4,488	+4,488	30
2.52*	5,830	5,510	8,261	+2,751	100	-0-	469	+469	-0-
2.53*	5,824	5,505	9,013	+3,508	100	-0-	3,078	+3,078	-0-
2.54*	5,730	5,505	5,211	-294	100	-0-	336	+336	11
2.55*	8,295	8,161	7,795	-366	99	4,375	8,796	+4,421	99
2.56*	3,660	3,660	2,949	-711	97	3,661	2,950	-711	97
2.57*	5,211	2,215	3,245	+1,030	77	2,215	3,246	+1,031	77
* March, April, May, 1977									

-10-

"208" AREAWIDE WASTE TREATMENT MANAGEMENT PLANNING

CONTRACTOR PBOD/OZUNA

QUARTER / YEAR Second, 1977

PAGE 1 OF 1

CONTRACT REFERENCE: Package IV

DATE: June 30, 1977

TASK NO.	PROJECT BUDGET	PROJECT TO DATE (\$)				THIS QUARTER (\$)			
		BUDGET	ACTUAL	VARIANCE	WORK % COMP.	BUDGET	ACTUAL	VARIANCE	WORK % COMP.
2.63	\$ 9,876.00	\$ 9,900	13,232	+3,323	90	9,900	13,223	+3,323	90
2.64	5,173.00	4,500	1,286	-3,214	30	4,500	1,286	-3,214	30
2.65	5,173.00	3,800	679	-3,121	20	3,800	679	-3,121	25
2.72	19,281.00	5,900	552	-5,348	5	5,900	552	-5,348	5
4.11	5,173.00	2,300	305	-1,995	5	2,300	305	-1,995	5
4.12	25,160.00	8,200	3,601	-4,599	20	8,200	3,601	-4,599	20
5.11	14,695.00	800	189	-611	3	800	189	-611	3
5.12	5,173.00	500	189	-311	3	500	189	-311	3
5.14	9,876.00	500	189	-311	5	500	189	-311	5

"208" AREAWIDE WASTE TREATMENT MANAGEMENT PLANNING

CONTRACTOR Pitluk/League of Women Voters QUARTER / YEAR Second, 1977

PAGE 1 OF 1

CONTRACT REFERENCE: Package VI

DATE: June 30, 1977

Task Description	Approved		Spent thru 6/30/77	Balance Remaining
	Pitluk	LWV		
1. Public Information Activities	\$21,700		\$3,682.00	\$18,018.00
2. Training Sessions, Pub. Hearing		\$10,260.95	1,863.41	8,397.54
3. Speakers Bureau		8,355.35	2,070.44	6,284.91
4. Community Workshops		7,329.25	1,478.88	5,850.37
5. Ascertainment Surveys	2,300		-	2,300.00
6. Publications	6,000		-	6,000.00
7. AV Presentation	6,990		5,521.00	1,469.00
8. Television Documentary		1,026.09	-	1,026.09
9. Electronic Signs	-	-	-	-
10. 208 Advisory Comm. Meetings		1,685.73	354.93	1,330.80
11. On-Going Education of 208 Personnel		659.63	149.89	511.74
12.. TV & Radio PSA's	3,000		-	3,000.00
13. Displays and Exhibits	2,800		-	2,800.00
14. Newsletters	<u>1,656</u>		45.00	1,611.00
TOTALS	\$44,446	\$29,642.00		

III. U.S. Environmental Protection Agency
Office of Public Affairs
Region VI

Summarize quarterly public participation activities on attached chart and submit to regional office.

	<u>Date</u>	<u>Time</u>	<u>Place</u>	<u>Number Involved</u>	<u>Good</u>	<u>Rating Fair</u>	<u>Poor</u>
PAC MEETING	Apr.-June '77	-	S.A. Area	3	X		
INTER-AGENCY MEETING	Apr.-June '77	-	S.A. Area	1	X		
RADIO SPOTS	Apr.-June '77	-	S.A. Area	20	X		
TV SPOTS	Apr.-June '77	-	S.A. Area	4	X		
TALK SHOW	-----	-	-----	8			
FILMS, STRIPS	" "	-	S.A. Area	15	X		
TOWN MEETINGS	" "	-	S.A. Area	8	X		
PRESS RELEASES	" "	-	S.A. Area	40	X		
PRESS CONFERENCES	" "	-	S.A. Area	---	X		
FEATURE ARTICLE	" "	-	S.A. Area	5	X		
EDITORIAL	Apr.-June '77	-	S.A. Area	6	X		
DEPOSITORIES	" "	-	S.A. Area	---			
NEWSLETTER	Apr.-June '77	-	S.A. Area	1	X		
EXHIBITS	Apr.-June '77	-	S.A. Area	---			
PUBLICATION				1	X		
SPEECHES				35	X		
SPECIAL EVENTS				5	X		

IV. General

As of the end of the quarter it appears that we have taken one more significant step towards development and completion of a 208 plan for the San Antonio region. In the past three months nineteen draft or revised draft reports representing seventeen Tasks were received by staff. This brought the number of reports received this year to a total of thirty-two.

Subsequently, the TWQB reviewed six Tasks on point and non-point source methodologies and found them acceptable. The next step is to obtain acceptance of these reports by the APAC and AACOG Executive Committee prior to submission for TWQB approval and certification. While the TWQB was reviewing the point source Tasks, staff reviewed and returned for finalization six revised reports submitted by the Data Management Consultant and one report by the San Antonio River Authority.

Although some progress was made, the completed Task 2.31 report, population and housing unit projections, was not adopted for use this quarter. Without the adoption of that report, the subwatershed distribution document could not be completed. It is understood that once these Tasks are accepted for use in 208 planning, then the distribution will be fixed until the amending and updating process. Subsequently, a new schedule was submitted to EPA the last week of June and was also included in this milestone. The schedule assumes acceptance of the population and housing unit reports and given that assumption projects the start of the wasteload projection Tasks by July 15, 1977.

In addition to the submission of Task reports, several other events leading toward a final plan occurred last quarter. For one, the 208 modular processor and data management system was up and running. It presently contains a simplified costing module and it does not perform nonsteady state non-point source simulation, but otherwise functions as per the contract. Upon review and certification of the finalized point and non-point Tasks, these methodologies and related subroutines will be incorporated and documented as part of the system.

Another milestone in our planning was with the development and identification of the non-point source sampling sites for the project. After considerable study, four sites were selected for future study.

The initiation of the polling process and the appointment of the Delphi Panel members also provoked considerable discussion this past quarter. As of June 30, 1977, a Panel had been approved by the Executive Committee and questionnaires were being prepared for distribution in the coming months.

A second panel was also appointed during this period. Due to the importance of the proposed management system, a Task Force of local elected officials was appointed at the request of our consultants to review and critique the management agency Tasks. At the end of the quarter the Task Force had not met.

As cited earlier, our public participation program continued to get the word out about clean water this quarter. Accomplishments included establishment of an active Speaker's Bureau, several training sessions, a successful Community Workshop, development and use of a complete audio visual presentation and a new logo for areawide planning in San Antonio. As we enter a new quarter, more and more attention will be focused on our public participation efforts.

For the coming three month planning period, we are scheduling submission of at least ten final drafts to the Technical Subcommittee, APAC, AACOG Executive Committee and the TWQB. Additionally, we will continue to coordinate 208 activities with other planning programs such as 201 and transportation as well as encourage public involvement in the entire process.

A. Contract Status

1. Package I - Data Management and Systems Analysis

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

- (1) Finalized reports and completion of work for Tasks 2.12, 2.13, 2.14 and 2.61.
- (2) Completion of at least two more training and systems orientation workshops.
- (3) Initial amending and updating of the modular processor and the DMP files under Task 5.16.
- (4) Monthly status reports and meetings.

b. During the past three months the following has been accomplished.

- (1) We have received and thoroughly reviewed draft and revised draft reports for Tasks 2.11, 2.12, 2.13, 2.14, 2.32 and 2.61. Pursuant to the consultants request, we attempted to analyze these reports as one combined report or system workbook. Whether taken together or individually, these reports and their appendices (where attached) give us

a look at the water quality-oriented data management and systems analysis programs developed for AACOG for use in 208 planning. However, much more work still remained to be done to satisfy the basic terms of the contracts. This work was in addition to completion of Task 5.16. Unfortunately, according to the original project/contract schedule, these Tasks were to have been completed and submitted as final reports to the APAC and the TWQB no later than April of 1977.

Based on meetings and conversations with all the 208 consultants, a new schedule was prepared in mid-May, 1977, specifically, to assist Packages I and III in completing their required, overdue Task work in a time frame compatible with the two year planning deadline of May, 1978, and in an attempt to keep us on the projects' critical time path with as little slippage as possible. At that time the Task work to be immediately completed included the following:

- (a) Tasks 2.22, 2.23, 2.51, 2.55 and 2.56 being prepared by Package III for the end of May, and
- (b) Computer programming of those Tasks by C. Thomas Koch and Package III for use by Package IV by June 30, 1977.

Subsequently, on June 10, 1977, a letter and 27 page review of the latest Package I Task reports was forwarded to the consultant with the instructions to refine and complete these Task reports for submission to AACOG, APAC and the other agencies, and for review and certification by the TWQB. In the meantime, Package III was working to complete their work and the Package I consultant indicated he could do no further work without payment of the past three months outstanding invoices. As a result, a meeting is scheduled for July 1, 1977, in the AACOG 208 offices between staff, Package I and Package III. The following will be discussed at the meeting.

- (a) Payment of Package I invoices up to 90% of the contract monies, with 10% withheld as per EPA policy pending certification of the Package I reports.

- (b) Completion of all the Package I Tasks according to the terms of the contract and to the satisfaction of AACOG and ready for certification by the TWQB prior to the public hearings this fall.
- (c) Submission of a proposal to the consultants at a scheduled July 18, 1977, consultants' meeting for the expeditious completion of programming of the Package III computer modules. The proposal is to have the prior concurrence of Package IV, and will include instructions as to how they are to proceed prior to receipt of final documentation, and
- (d) Inclusion of the Package III design and costing methodologies and nonsteady non-point source simulation model into the final Task 2.61 report ready for certification.

Task 2.11

A draft report entitled "Inventory, Collection and Review of Basic Data" was submitted on time September 19, 1976. It was carefully reviewed and returned with several comments, along with a revised date for finalization of November 15, 1977. On May 5, 1977, six months later, a combined report for Task 2.11 and Task 2.14 marked final was submitted to AACOG. However, this report still did not contain the very basic elements of the Task, that of an inventory and review by agency of existing data available for water quality planning and documentation of the data files. Expenditures to date amount to \$7,502.11 for the 2.11 report, and the Task is reported as 95% complete.

Task 2.12

The draft report for this Task, "Identification of Existing Water Quality Problems," was submitted November 15, 1976, one month after it was originally due as a combined report with Task 2.13. After it was reviewed, and rewritten it was resubmitted and reviewed as a revised report in January and again as a final report on April 25, 1977. This latest report was reviewed by staff in addition to the APAC Subcommittee and the TWQB. It, like the others, was also found lacking very basic information including (1) a list of generalized

water problem areas and (2) conclusions regarding water quality in San Antonio. Expenditures to date total \$7,928.00 for these reports and this Task is reported as 95% complete.

Task 2.13

Submitted and reviewed originally in November, 1976, as a combined report with Task 2.12, the revised report entitled "Analysis of Water Uses" was resubmitted and critiqued in January, 1977, only 3 months late. Subsequently the draft marked final was submitted April 25, 1977. Like its counterparts the report has several missing contract items and was poorly written. Expenditures total only \$313.00 for this Task and it is reported as 95% complete.

Task 2.14

The original draft report entitled, "Data Management Program," which detailed 12 data files and the map handling system created for 208 planning was submitted ahead of schedule January 17, 1977. This report was carefully reviewed and returned with a finalization date, March 1, 1977. As was noted under Task 2.11, a combined report marked final was later submitted on May 5, 1977. After an extensive review, it was determined that although broad in scope many basic terms had not been fully satisfied including (a) specific instructions on the data storage and retrieval mechanisms, (b) illustrated examples of the files, and (c) computerized interfacing with the TWDB. Additionally, the sources, descriptions and utilization of the data files were not sufficiently explained, and documentation of these files was for the most part missing. Presently the consultant proposes to complete the Task work to the satisfaction of AACOG by January 1, 1978. Expenditures to date total over \$26,000.00 out of a budgeted \$7,400.00 and the Task has been reported as 95% complete by the consultant since January, 1977.

Task 2.32

Although not scheduled for completion until January, 1978, a report entitled the Land Use Forecasting Process was submitted April 25, 1977, as part of Task 2.32, "Automation of Land Use Projections." Basically this report contains a listing by grid of the March, 1977,

San Antonio Growth Sketch (DOT files) and the earlier existing trends sketch prepared by City Planning. It has very little, if anything, to do with the automation or updating of the forecasting process itself and as such just minimally meets contractual terms. Expenditures are about \$1,000.00. for this Task, but it is more than 90% complete.

Task 2.61

This Task, "The Modular Processor," is the backbone of the 208 systems work. The initial draft report minus nearly all the voluminous program documentaion was submitted April 25, 1977, only three weeks beyond the due date for the final report. It represents a good sound beginning toward development of a systems workbook for 208 planning, but much work remains to be finished. Hopefully the consultant can complete enough of the Package III programs and document the others sufficiently for immediate use by Package IV, and long before publication of a final systems document. Expenditures total \$7,292.00 of an expected \$22,000.00, and the Task is presently about 75% complete.

Task 5.16

This is the only Task, "The Implementing, Amending and Updating Procedures," for which a draft report has not been submitted and which is not overdue. The Task cannot be finished until after selection of the final plan in February, 1978. However, all the systems training was given as a part of this Task, and expenditures to date total \$28,000.00 out of a budgeted \$18,000.00, and the Task is reported as 88% complete.

- (2) During the quarter just ended, there were no workshops conducted as a function of Task 5.16. The two that were scheduled for this period have been moved up to August, 1977, to correspond with a proposed consultants' workweek.
- (3) Throughout the month of June, updating of the following DMP files occurred.

DMP001 - existing connections and utility demands
DMP002 - existing land use and physical characteristics
DOT001 - projected population and housing unit distributions

The updating was still in progress at the quarter's end.

- (4) Monthly consultant status meetings were held at AACOG during the quarter with status reports being presented by C. Thomas Koch and Rob Salvagno for Package I. Meetings were held on the following days.

April 19, 1977

May 17, 1977

June, 1977 (cancelled until early July)

- (5) On May 23, 1977, the APAC Consultant Selection and Technical Subcommittee and the Task Force of the APAC Work Plan Subcommittee met to review and discuss the Package I products and services received to date. Revised reports marked final for Tasks 2.12, 2.13 and 2.61 were submitted. At the time, revised reports for Task 2.11 and 2.14 were not available and it was felt that Task 2.32 was not ready for their review. Subsequently, the comments of the Subcommittees were included in the 27 page review of all Package I Tasks forwarded to the consultant June 10, 1977.

c. Scheduled for next quarter are the following:

- (1) Finalized reports and completion of work for Tasks 2.11, 2.12, 2.13, 2.14 and 2.61.
- (2) Two systems training workshops.
- (3) A consultants' workweek involving Packages I, II and IV.
- (4) Continuous update of the modular processor and DMP files.
- (5) Strategy meeting with AACOG and Packages I and III.
- (6) Monthly status reports and meetings.

2. Package II - Stream Characterization

a. The following was scheduled for the last quarter:

- (1) Submittal of contract status report by the tenth working day of the month.
- (2) Participation by SARA in AACOG Package I training workshops and status meetings.

- (3) Task 2.71 - Continue working on the Subtasks.
- (4) Task 2.58 to start April 3, 1977. A meeting with Jeff Dupree of SARA to discuss the interim report for the non-point source sampling program.
- (5) Task 2.62, a meeting April 4, 1977, to discuss comments and possibly a revised submission of the Task report.
- (6) A meeting with the Texas Water Quality Board to discuss the following questions:

What non-steady state model will be used in Task 2.72?

What is the DO standard for unclassified stream segments?

b. The following was accomplished during this quarter:

- (1) Submittal of monthly contract status reports.
- (2) Participation of SARA in monthly consultants' status meetings.
- (3) Task 2.58, "Non-point Source Monitoring Program Design," interim report was submitted June 6, 1977, for review and comment. The report was preliminary and subject to change; it set forth various sampling locations in the AACOG study area representative of the various land uses in the drainage areas above the sampling sites (see memo dated May 17, 1977). Task 2.58 is scheduled for completion August 1, 1977.
- (4) Task 2.59, "Demonstration of the Non-point Source Program Design," is dependent upon the completion of Task 2.58. The Task (2.59) is scheduled to start August 1, 1977, and continue through January 28, 1978.
- (5) Task 2.62, "An Assessment of the San Antonio River Basin Water Quality Management Plans," was submitted as a "final draft" on April 29, 1977, to AACOG. On May 23, 1977, this report was submitted to the Consultant Selection and Technical Subcommittee for their review. Copies were also forwarded to the TWQB and EPA respectively.

- (6) Task 2.71, "Segment Analysis," has not begun due to delays in completion and approval of Task 2.31, "Population, Land Use and Employment Projections." It has been rescheduled to begin August 31, 1977, with a tentative completion date of Sept. 12, 1977. Package II submitted a methodology for determining assimilative capacities for nonclassified stream segments as requested by AACOG on July 6, 1977.
- (7) Package II and Package IV will work together on Tasks 2.65 and 2.71 simultaneously, as Package IV generates alternatives, Package II will run the stream model to determine the water quality impacts.

c. Scheduled for the following quarter:

- (1) Submittal of contract status report by tenth working day of the month.
- (2) Participation of SARA in monthly consultant status meetings.
- (3) Task 2.58 draft report submittal August 1, 1977, for review and comment.
- (4) Revision of Task 2.62, resubmission to Consultant Selection and Technical Subcommittee for approval.
- (5) Task 2.71 to start August 31, 1977, along with Task 2.65.

3. Package III - Pollution Sources

a. The following was accomplished during the second calendar quarter of 1977:

- (1) Received initial draft report for combined Tasks 2.22-2.23("Point Source Control Alternatives and Costs") from Seligmann and Pyle, April 11, 1977.
- (2) Attended meeting with H-GAC(Houston-Galveston Area Council of Governments) to discuss choosing a design storm, and Task 2.51, Projection of Non-point Source Wasteloads by Land Use and Subwatersheds for Urban Runoff.

with domestic wastewater(septic tank tile field) operations.

- (12) Spent June 1-3, 1977, inclusive tabulating potential sources of point and nonpoint pollution over the Edwards Underground Aquifer Recharge Zone for EPA, Region VI, using A-95 review data. This data was prepared to assist the Region in the evaluation of Federal(or otherwise involved) funding of facilities on the recharge zone.
- (13) Received initial combined draft of Tasks 2.55-2.56, "Nonpoint Source Pollution Control Strategies and Costs," June 11, 1977.
- (14) Received initial combined draft of Tasks 2.24-2.57, "Environmental Assessment of Point and Nonpoint Control Alternatives and Strategies," June 27, 1977.

b. Work scheduled next quarter:

- (1) Obtain Consultant Selection & Technical Subcommittee approval of Package III Tasks.
- (2) Prepare Work Plan Summary and time schedule for presentation to, and approval by, TWQB.
- (3) Continue participation in Consultants' monthly status meetings.
- (4) Public Hearing.

4. Package IV - Alternatives Evaluation

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

- (1) Completion of Tasks 2.63 and 2.64.
- (2) Progress report on Task 2.65.
- (3) Presentations to the Governor's Areawide Planning Advisory Committee about the Delphi Panel and Tasks 4.12 and 5.11 by Dr. Sigrid Grava on April 26-27, 1977.
- (4) A two week joint package work session on Task 2.65 and Task 2.71.
- (5) Monthly consultants' status meetings.

b. During the quarter just ended the following was accomplished:

(1) Since the signing of the contract the Package IV joint venture has worked diligently to complete their Task work on schedule. At this time three Tasks have already slipped past their original due dates (Tasks 2.63, 2.64 and 2.65). Although substantial time has been devoted to the project, little progress has been made because of two principal drawbacks.

(a) Population and housing unit projections were not available from the 208 Cities and have not been formally adopted for use by APAC, and

(b) Without the acceptable Package III modules programmed and completed as part of the Package I modular processor, wasteload projections and alternative configurations cannot be started or properly completed.

However, the groundwork has been laid to complete these Tasks given the population distributions are adopted, and the modular processor works to the satisfaction of Package IV pending a programming proposal by Package I. Expenditures to date total \$25,387.08 and the contractor reports that they have completed nearly 25% of the work.

Task 2.63

Although originally due April 3, 1977, this Task, the Subwatershed Computation Document was rescheduled for June 8, 1977, but because of problems with completing Task 2.31, it is now due July 22, 1977. It appears that the draft report will be available at that time. Expenditures totaling \$13,676 for Task 2.63 to date exceed the original budget by nearly \$4,000; however, it is reported as 90% complete.

Task 2.64

The slippages in Task 2.63 automatically delay the Point and Nonpoint Source Wasteload Projections originally scheduled for submission to AACOG in May, 1977. The reports

were rescheduled for completion August 1, 1977, pending completion and acceptance of Task 2.31 and completion of Task 2.63 by July 22, 1977. Preliminary methodology determinations have been reached with AACOG staff and the other consultants. Expenditures total \$1,000 and the Task is reported as 25% complete.

(2) Task 2.65

An attempt will be made to begin this Task, "Alternative Systems Configurations," before finalizing Task 2.64. Hopefully we can make up for some of the lost time. This is dependent on the satisfactory progress made on programming the Package III modules. The San Antonio River Authority has agreed to cooperate with computer runs and to coordinate this effort with their Task 2.71, Segment Analysis. This Task is presently scheduled for completion concurrent with Task 2.71 by the end of August. Expenditures to date total \$575.00 out of \$5,173 budgeted and the Task is roughly 15% complete.

Task 2.72

Coordination of this Task, "Alternative Point and Nonpoint Subplans," has been discussed with SARA and with the TWQB. Any success in completing this Task prior to the revised due date of Oct. 10, 1977, will require a concerted team effort on the part of SARA, the TWQB and the consultant. Again, delays in programming the Package III nonpoint source methodology used to project nonsteady nonpoint source wasteloads will result in delays for completing this Task. Expenditures to date for preliminary work and visits by Patrick Lawler total \$552.00 out of \$19,300 budgeted and the Task is reported as 5% complete.

Task 4.11

Methodology determinations for this Task, Assessment of Impacts of Waste Treatment Alternatives, have begun and coordinated efforts have started with the Edwards Aquifer consultant. As originally scheduled this Task is due October 10, 1977, but delays in alternatives development may slip this too. Expenditures total \$205.00 out of project budget of \$5,173.00 and the Task is reported as 5% complete.

(3) Task 4.12

This Task, the "Decision Analysis Criteria," officially began in April with a visit to AACOG, and APAC by Dr. Sig Grava of the consultant's New York office. Controversy surrounds this Task stemming from spirited discussions from all segments of the community regarding the Delphi Panel. As of this date, the Delphi Panel is being appointed. In the meantime, the consultant is developing a draft of the initial mailout to the Panel for review next week by AACOG staff. Expenditures to date total about \$3,000.00 out of a projected budget of \$25,000.00 and the Task was last reported as 15% complete.

Task 5.11

Pending completion of Task 2.72 and Package V's Task 3.41, only minor work has been done on this Task, "Selection of the Optimal Plan," at least at this stage. Originally due December 1, 1977, the Task is currently scheduled for completion by January 9, 1978. Expenditures total only \$189.00 for this work, and the Task is reported as less than 5% complete.

As of the end of the quarter the AACOG Executive Committee had approved the following Delphi Panel members:

Mr. Ralph Bender	Mr. Ben A. Wallis, Jr.
Mr. Lloyd Benke	Mr. Joe Webb
Mrs. Susie B. Chavez	Ms. Nelda Weatherly
Mr. Billy Degan	Mr. E. L. Krause
Mr. Raul Fernandez	Mr. Fred Pfeiffer
Mr. Julio Gonzalez	Mr. Richard E. Prater
Dr. Earl M. Lewis	Mr. Raymond E. Stotzer
Gen. John Roberts	Mr. Melvin Sueltenfuss, Jr.
Mrs. Rowena Rodgers	Col. McDonald Weinert

(4) Task 5.12

As of this date only minor work can be done on this Task, "Preparation of the Physical Facilities Plan." Although originally scheduled for completion by January 16, 1978, it is hoped now that it may be finished around the first week in February, 1978. Expenditures total \$189.00 for preliminary groundwork on this report, and the Task is reported as less than 5% complete.

Task 5.14

Only preliminary background data on the area has been gathered for this Task, the "Environmental Impact Assessment." It was originally scheduled for completion by February 15, 1978, but due to earlier Task delays will probably slip several weeks in the end. Expenditures total \$189.00 out of a budgeted \$10,000.00 and the Task is reported as 5% complete.

- (5) The consultants joint work session on Tasks 2.65 and 2.72 has been moved up to the second month of next quarter.
- (6) Monthly consultant status meetings were held at AACOG during the quarter with status reports being presented by O. J. Valdez and Rob Salvagno for Package IV. Meetings were held on the following days.

April 19, 1977

May 17, 1977

June, 1977 (cancelled until early July)

c. Scheduled for next quarter are the following:

- (1) Completion of Tasks 2.63, 2.64 and 2.65.
- (2) Progress report on Task 2.72.
- (3) Initiation of the Delphi polling process and related policy analysis.
- (4) A joint consultants work week involving Packages I, II and IV tentatively scheduled for August 15-19, 1977, at AACOG.
- (5) Monthly consultant's status meetings.

5. Package V - Management Agencies

a. The following events were scheduled to occur during the last quarter:

- (1) Final draft report of Task 3.11 prepared by Barnes & Co.
- (2) The draft report for financial section of Task 3.11 prepared by Peat, Marwick, Mitchell & Co. (PMM).

- (3) Draft reports for Tasks 3.12, 3.13 and 3.14 prepared by PMM.
- b. The work performed during the April-June quarter was as follows:
- (1) Staff, consultant and TWQB comments on Task 3.11 were forwarded to Phil Barnes with instructions to finalize the draft report.
 - (2) Final draft report on Task 3.11 was submitted in May, 1977.
 - (3) Draft reports for Tasks 3.12, 3.13 and 3.14 were submitted for staff and consultants review.
 - (4) Comments on Tasks 3.12 and 3.13 were forwarded to PMM on June 20, 1977.
 - (5) Task 3.14 has been reviewed by the Project Officer and is now being reviewed by staff.
 - (6) In May the APAC responding to a request from staff and PMM designated a Management Task Force to work with Terrell Blodgett during the development of the Management Agencies work. The Task Force is the following:

Bexar County - Judge Blair Reeves
Guadalupe County - Mayor R. C. Bueker
Wilson County - Mayor E. Koepp
Universal City - Mayor C. W. Johnstone
City of San Antonio - Councilman G. Hartman
(Appointed by Mayor
Cockrell as requested
by APAC)

This Task Force will review all products produced by PMM and play a vital role in refining Tasks 3.21 and 3.31 which are the conceptual systems and assessment of existing agencies Tasks.

- (7) A meeting is scheduled with Terrell Blodgett on July 8, 1977, to discuss Task completion dates, Task content and Management Task Force meetings.

- c. The following events are scheduled next quarter:
- (1) Meet with Terrell Blodgett of PMM to discuss item 2g above.
 - (2) Completion of final draft for Tasks 3.11 (financial), 3.12 and 3.13.
 - (3) Draft reports for Tasks 3.14, 3.21 and 3.31.
 - (4) Management Task Force Meeting.
 - (5) Preparation of Executive Summary on Tasks 3.11-3.31 by September 1, 1977.

6. Package VI - Public Participation

a. The events scheduled for this quarter were the following:

- (1) Series of four training sessions and one Community Workshop by the League of Women Voters
- (2) Writing of script and production of Audio Visual presentation by Pitluk
- (3) Writing and production of brochure on 208
- (4) Initiation of Speakers Bureau and scheduling of speeches to groups and organizations
- (5) Production of first 208 Newsletter insert to AACOG's "The Region."
- (6) Initiation of media effort and scheduling of speakers on interview shows
- (7) News coverage of 208 activities
- (8) Use of expanded Public Participation Subcommittee to advise on activities
- (9) Presentations to area city councils
- (10) Design and production of 208 symbol for use as logo

b. The following was accomplished this quarter:

- (1) The League of Women Voters carried out four training sessions, followed up by one Community Workshop, on all 208 activities to date
- (2) Audio/Visual presentation was completed and, upon approval by APAC, is extensive use by speakers
- (3) A total of 70,000 brochures have been printed and are now being distributed at all 208 presentations and have been placed in all banks in the city and in numerous supermarkets and savings and loan associations
- (4) Speakers Bureau is organized and has been promoted through newspaper articles, public service announcements and a letter mailed to 431 area clubs and civic organizations. Speakers have an outline speech to follow (prepared by Pitluk) and are accompanied by a 208 staff member. Over 30 presentations on 208 have been made through June, 1977
- (5) Newsletter insert was published in June and mailed to over 3,500 names on AACOG's mailing list and distributed at workshops and meetings
- (6) Extensive media contacts have been made by Pitluk and ten interviews on radio and TV have already taken place
- (7) Extensive news and editorial coverage has been given the 208 program as a result of news releases and other contacts with media.

Additional non-point source problems confronting the H-GAC were also addressed, including the Council's Work Plan Summary.

- (3) A consultants' status meeting was held April 19, 1977, at which time the status of Tasks 2.21, 2.22-2.23, and 2.51 were discussed.
- (4) Attended meeting with Texas Water Quality Board personnel at Austin, April 28, 1977, to discuss Package III Tasks 2.21, 2.22-2.23, 2.52, 2.53 and 2.54 along with map sets 7, 8, 9, 10. Supplied TWQB with the subject Tasks along with one copy each of the map sets. Responded to questions and comments by Dr. Glass and Tommy Royal re: Package III Tasks and maps.
- (5) Received a draft of "Existing Population and Economics of the 208 Area" from Charles Hodgson, AACOG Economic Development Coordinator, April 29, 1977. This draft was prepared for use in the Work Plan Summary.
- (6) Participated in National Association of Regional Councils Convention, sponsored by AACOG, May 2-4, 1977, at the Convention Center in San Antonio.
- (7) Participated May 16, 1977, in Public Participation Training Session at which the Package III, non-point effort was reviewed.
- (8) Attended Consultants' status meeting held May 17, 1977, during which Andy Covar, Systems Analyst, TWQB, discussed the TWQB requirements regarding nonpoint nonsteady state models. These included input points provided the Texas Water Quality Board by Package III consultant, Engineering-Science, Inc.
- (9) Attended 208 Areawide Waste Treatment Management Planning seminar in Dallas, TX, sponsored by the EPA and The University of Texas at Dallas, May 18, 1977.
- (10) Attended Consultant Selection and Technical Subcommittee meeting May 23, 1977. Discussed Package III in part.
- (11) Spoke to Hollywood Park Homeowner's Association. This was an illustrated talk with emphasis placed upon potential nonpoint source problems in the Edwards Underground Aquifer associated

- (8) Public Participation Subcommittee met twice in May to review Audio-Visual script and brochure copy and to discuss other planned activities
- (9) Presentations have been made to all area city councils and more are planned. In the quarter, 208 staff members have made presentations to the City of Marion, San Antonio Planning Commission, City of Cibolo, Bexar County Council of Mayors, City of Converse, City of La Vernia and City of San Antonio
- (10) 208 logo is in use on publications, posters and other 208 material. Slogan of "Clean Water, Anyone?" is also being used to identify the program

c. The events scheduled for the next quarter are as follows:

- (1) Placement of 208 material in 23 depositories in the area
- (2) Expansion of Speakers Bureau and additional presentations to groups
- (3) Presentations at public meetings in small cities throughout the area
- (4) Promotion of attendance at September public hearing
- (5) Training session on socio-economic projections on August 11
- (6) 208 newsletter published in August
- (7) Scheduling of Clean Water Tours for media and elected officials in early September
- (8) Approval of standard speech for use by speakers in making presentations
- (9) Scheduling and promotion of Water Wagon presentations in August, including taping and portion of the program for public television
- (10) Expanded media coverage on program, especially through Public Service Announcements and "news features" on various aspects of the program
- (11) Placement of 208 literature as statement stuffers for banks and utilities
- (12) Printing of informational flyers for distribution through supermarkets and other places of business

7. Task 2.31 - Population and Land Use Projections

A series of events occurred during this quarter that had an effect on this Task:

- a. On May 17, 1977, the APAC approved the use of the San Antonio Growth Sketch by AACOG Consultants as adopted by the City Council without distributions.
- b. June 24, 1977, the Consultant Selection and Technical Subcommittee met to discuss Task 2.31. After a lengthy discussion, the following was evident:
 - (1) Some Committee members felt the San Antonio Growth Policies were in error.
 - (2) It was feared that if the APAC approved the San Antonio distribution as they understood it, then 208 would be used to dictate growth and City policy. We should, therefore, make sure that 208 does not set a pattern that cannot be changed. We want an anticipatory plan so we can use waste treatment loads and how the point and nonpoint sources could be utilized in maintaining stream standards; not a land planning dictate.
 - (3) The current federally funded programs, 201 and 208, should have the same distributions where their planning boundaries coincide.

In summary the consensus was:

- (1) That individual Cities other than the City of San Antonio were satisfied with the population projections for their Cities.
- (2) That if the sum of the small Cities and the rural projections along with San Antonio projections exceeded the original control totals, it would not pose a problem.
- (3) That staff would work with the individual Cities to obtain written approval of their distributions.
- (4) That the City(201) and AACOG(208) would work to ensure common distribution for the City of San Antonio and its Extra Territorial Jurisdiction.

- (5) That a meeting would be held July 7 to review San Antonio housing distributions.
- (6) That all report narratives would emphasize that projections are being used to "anticipate growth."
- (7) That 201/208 would work out the details so that a computer simulation would be performed to determine what impact an unexpected increase in wasteloads would have on meeting stream standards.

On June 28, 1977, a 201/208 meeting was held to discuss and review population distribution being used by each agency. Following a lengthy discussion, it was decided that AACOG's Package IV Consultant, Ozuna and Associates, and the 201 joint venture partner, Ken Vickrey & Assoc, would meet to determine if 201 and 208 projections were compatible.

The next day, June 29, 1977, they met and determined that the 201 and 208 population distributions and projections were compatible.

B. Inter-Program Relationships

As the pace increases with 201 and 208 planning, the demand for inter-program coordination also continues to increase (as outlined last quarter).

Although meetings scheduled in April were cancelled, AACOG and the City of San Antonio staff did meet with the 201 and 208 consultants several times in June, 1977. On June 28, 1977, we met to discuss population and housing unit distributions for Bexar County and the City of San Antonio which encompasses approximately 90% of the total 208 study area, and it was determined that the same universe was being used as the City of San Antonio. After reaffirming the need and desire to coordinate efforts and exchange information, particularly with regard to showing our data base, the consultants then agreed to meet the following day. On June 29, 1977, the consultants and staff after extensive review determined that the population and housing unit distributions to be used in 208 corresponded directly to that currently being used for the City of San Antonio 201 planning.

Released during the reporting period was "Public Partnership in the Clean Water Program," a multi-media presentation produced by the National Recreation

and Park Association, and funded by the Environmental Protection Agency. This production documents efforts from around the country to obtain maximum public benefits from the clean water 201/208 programs, through multiple use of both new and abandoned treatment facilities for outdoor recreational pursuits.

The ongoing relationship between AACOG's 208 and Open Space programs is highlighted as one of several successful case studies from around the country. This documentary production has been viewed by several of the constituents involved in planning at the regional level for both programs, including the over 200 elected officials and staff delegates attending the AACOG Semi-Annual Meeting held in June, 1977. The production is being viewed nationwide, with eighteen print copies having been released.

The computerized grid system is now being evaluated for expansion and applicability to AACOG's Land Use and Housing planning elements, funded through the Department of Housing and Urban Development's "701" planning program. If determined feasible, the system will be updated, expanded, and refined to serve as the base retrieval information system for the majority of AACOG's comprehensive planning activities.

C. Required Inter-Agency Action

No action required this quarter.

ATTACHMENT A



CONFERENCE/MEETING MEMORANDUM

alamo area council of governments

PROJECT : Areawide Waste Treatment Management Plan	MEETING DATE : May 17, 1977
COMMITTEE : AACOG Staff, Consultants and TWQB	ISSUE DATE : May 20, 1977
CONFERENCE LOCATION : Three Americas Building, Room 230	PREPARED BY : Jaime B. Ornelas

PURPOSE :

Discuss Non-Steady Modeling with TWQB

DISCUSSIONS AND CONCLUSIONS :

THE FOLLOWING IS OUR UNDERSTANDING OF THE SUBJECT MATTER COVERED IN THIS MEETING. IF THIS DIFFERS WITH YOUR UNDERSTANDING, PLEASE NOTIFY US.

Mr. A. Covar discussed the Auto-Qual stream response model. He explained it is a steady-state as well as a time-variable model. It is basically a BOD-DO model, but will handle conservatives. The model will be calibrated using the data provided by SARA in Task 2.42. The parameters modeled will be BOD, TSS, and fecal coliform. The non-steady state model input points were provided to TWQB by ES with AACOG approval, and the locations were identified on a river mile basis. The TWQB will input the pollutograph and hydrograph generated by PBQD/Ozuna into the model and return printouts without interpretation. TWQB response will be two (2) days to one (1) week. The "design" storm was discussed (Task 2.51) and ES explained it is a two year storm of 3 inches/hr. intensity and a 30 minute duration. Dr. Glass asked if the concentration was constant during the storm and Dr. Tischler responded that an exponential washoff rate was used.

A discussion of the integration of point and non-point control alternatives was held between staff, TWQB, and Mr. Lawler. Mr. Lawler stated that due to the low flow concentration of the San Antonio River and level of point source control required it did not appear feasible to integrate the alternatives. He added that in the non-steady state non-point source analysis, the parameters used to analyze water quality would be BOD and DO. Dr. Tischler stated the model developed by ES was on high side for BOD and low side for DO.

Mr. Koch asked about antecedent conditions to storm event and ES responded that antecedent conditions were built into the model.

It was also decided that due to the lack of a land use plan by CSA, the projected land use would be merely urbanization of grids as population increased.

Dr. Glass also reaffirmed the fact that facilities plan should accommodate 1983, 1990 and 1995 population.

ATTENDANTS :

AACOG Staff	G. Ozuna	Jayne Brissman	Dave Dennis
C. Thomas Koch	O. J. Valdez	Dr. Peggy Glass	
Russell L. Masters	Patrick Lawler	Andy Covar	
Jeff De Pree	Jerry Rice	Tommy Royal	
Benjamin Hernandez, Jr.	Mel Kohn	Bill Evans	
	June Kachtik	Carroll Johnson	



CONFERENCE/MEETING MEMORANDUM

alamo area council of governments

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CONFERENCE/MEETING MEMORANDUM

alamo area council of governments

PROJECT : Areawide Waste Treatment Management Plan	MEETING DATE : May 17, 1977
COMMITTEE : AACOG Staff, Consultants and TWQB	ISSUE DATE : May 20, 1977
CONFERENCE LOCATION : Three Americas Building, Room 230	PREPARED BY : J. B. Ornelas

PURPOSE :

Discuss Non-Steady Modeling with TWQB Page 2

DISCUSSIONS AND CONCLUSIONS :

THE FOLLOWING IS OUR UNDERSTANDING OF THE SUBJECT MATTER COVERED IN THIS MEETING. IF THIS DIFFERS WITH YOUR UNDERSTANDING, PLEASE NOTIFY US.

The significant conclusions reached were:

1. Auto-Qual model will be used by TWQB for modeling steady as well as non-steady state conditions.
2. Steady state will have as input BOD, TSS, and fecal caliform.
3. Non-steady state will have BOD and DO as the parameters . Fecal coliform shall not be modeled.
4. Control alternatives will be developed separately for point source and non-point source.
5. There will be four alternatives per projection year for point source alternatives.
6. A 30 minute DO sag will not be considered critical.
7. TWQB would perform a courtesy review of Tasks 2.21, 2.22, 2.23 2.51, 2.55, 2.56 and 2.61 and return comments at one week intervals starting May 31.
8. Until CSA has land use master plan, only change reflected for land use between projection years will be the urbanization of grids.

ATTENDANTS :



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Clayton T. Garrison
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Mack Wallace
Hugh C. Yantis, Jr.
Executive Director

June 22, 1977

Re: 208 Planning
San Antonio

Mr. Jaime Ornelas
Alamo Area Council
of Governments
400 Three Americas Bldg.
San Antonio, Texas 78205

Dear Jaime:

This letter is in relation to the June, 1977 consultant's meeting and the subsequent memo (June 14, 1977) in which you requested comment on the minutes of the meeting. I would like to clarify some possible confusion which may exist with the modeling effort which will be performed by the TWQB.

- 1) Although Auto-Qual Model can be used for both steady state and non steady state modeling, we will use it only for the non steady state modeling. Qual-II will be used for steady state modeling.
- 2) The steady state model will be calibrated using the SARA data from Task 2.42, however, the non steady state model will not be calibrated.
- 3) The parameters modeled for both steady state and non steady state conditions will be BOD and DO. I believe we discussed at the meeting that Fecal Coliform was not desired and would not be modeled. TSS will not be modeled.

Mr. Jaime Ornelas

June 22, 1977

Page 2

- 4) We discussed a response time of approximately two days to one week for the steady state model runs. Our response time on non steady state data should be approximately seven to ten days.

If you have any questions concerning these comments, we should discuss them in more detail at an early date.

Sincerely yours,

Tommy D. Royal

Tommy D. Royal

Areawide Planning Coordinator

Administrative Operations Division

TDR:blr



CONFERENCE/MEETING MEMORANDUM

alamo area council of governments

PROJECT : 208 Areawide Waste Treatment Management Plan	MEETING DATE : May 18, 1977
COMMITTEE : -----	ISSUE DATE : May 31, 1977
CONFERENCE LOCATION : DuPont Plaza, Dallas, TX	PREPARED BY : Arthur L. Jenke

PURPOSE :
EPA/UTD 208 Technical Assistance Seminar

DISCUSSIONS AND CONCLUSIONS :

THE FOLLOWING IS OUR UNDERSTANDING OF THE SUBJECT MATTER COVERED IN THIS MEETING. IF THIS DIFFERS WITH YOUR UNDERSTANDING, PLEASE NOTIFY US.

The subject AACOG personnel attended a 208 Areawide Waste Treatment Management Planning seminar sponsored jointly by the Environmental Protection Agency and the University of Texas at Dallas.

Speakers addressing subjects of particular interest included Dr. Peggy Glass, Chief of Planning, TWQB; Dr. B. A. Stewart, Research Leader, ARS, USDA; and Mr. David W. Miller, Partner, Geraghty & Miller, Port Washington, NY. Presiding was Mr. Joe G. Moore, Jr., Head, Graduate Program in Environmental Science, UTD.

Dr. Glass spoke on problems relating to the assessment of various alternatives regarding non-point source pollution control. She addressed the regulatory facet of controlling sources such as mining, production of oil and gas, septic tank systems, etc. but emphasized the lack of regulation of non-point sources originating from urban storm water runoff. This is due, in part, to the great variability in type of pollutants generated by urban runoff. Dr. Glass briefly discussed the problems involved in the quantification of non-point source wasteloads and subsequent assessment of the impacts of these load-producing activities. Structural and operational standards ("specifications") or performance standards (required levels for water quality achievement) were discussed as philosophical goals available to a 208 planning agency. The selection would involve a judgement decision on the part of a particular planning agency. Emphasis was placed upon documentation of non-point pollution source corrective needs in order to convince the public of their necessity. In Dr. Glass's opinion, the public is not yet prepared to accept the fact that non-point pollution sources are a major problem and strategies must be developed, at acceptable costs, to achieve significant reduction in non-point source pollution in order to gain the required confidence. Levels of control needed in special problem areas must be carefully selected on the basis of implementation practicability. The numerous areas of uncertainty associated with non-point source problems are now being recognized and strategies are being developed to cope with them.

ATTENDANTS :

AACOG

Arthur L. Jenke



CONFERENCE/MEETING MEMORANDUM

alamo area council of governments

PROJECT : 208 Areawide Waste Treatment Management Plan	MEETING DATE : May 18, 1977
COMMITTEE : -----	ISSUE DATE : May 31, 1977
CONFERENCE LOCATION : DuPo Plaza, Dallas, TX	PREPARED BY : Arthur L. Jenke

PURPOSE :
EPA/UTD 208 Technical Assistance Seminar Page 2

DISCUSSIONS AND CONCLUSIONS :

THE FOLLOWING IS OUR UNDERSTANDING OF THE SUBJECT MATTER COVERED IN THIS MEETING. IF THIS DIFFERS WITH YOUR UNDERSTANDING, PLEASE NOTIFY US.

The speaker also addressed the problems faced by prospective water quality management agencies in evaluating the effects of the highly time-variable polluttional loads created by non-point sources, e.g., storm events. The corrective techniques chosen should be evaluated to determine if they are "reasonably representative" of the geographic and meteorologic conditions with which the area will subsequently be confronted.

Dr. Stewart, currently stationed in Bushland, TX, confined his lecture to the magnitude and polluttional effects of sedimentation. He discussed methodologies designed to alleviate pollution by sedimentation. Emphasis was placed upon the development and use of the universal soil loss equation (USLE) and modifications of the equation developed by those responsible for its application to problems of storm water runoff. Various degrees of accuracy resulting from the use of the USLE exist and these were discussed by the speaker. Also addressed was the problem of estimating potential erosion resulting form average annual potential direct runoff. The USLE can be very useful as a planning guide and is currently the most feasible method available for calculating both sheet and rill erosion from specific land areas in most of the United States. It must be borne in mind however, that soil losses computed through use of the equation must be recognized as estimates rather than absolute values. Approximately 40 years of erosion research form the basis of the factors derived for use in the equation.

The importance of accurately estimating erosion losses lies in the fact that eroded particles are the carriers (vectors) of a very large percentage of pesticides, nutrients, heavy metals, toxic and other hazardous materials via the process of adsorption and/or absorption, removed from eroded surfaces. These pollutants commonly find their way into watercourses and contribute to the degradation of the nation's waters.

ATTENDANTS :



CONFERENCE/MEETING MEMORANDUM

alamo area council of governments

PROJECT : 208 Areawide Waste Treatment Management Plan	MEETING DATE : May 18, 1977
COMMITTEE : -----	ISSUE DATE : May 31, 1977
CONFERENCE LOCATION : DuPont Plaza, Dallas, TX	PREPARED BY : Arthur L. Jenke

PURPOSE :
EPA/UTD 208 Technical Assistance Seminar Page 3

DISCUSSIONS AND CONCLUSIONS :

THE FOLLOWING IS OUR UNDERSTANDING OF THE SUBJECT MATTER COVERED IN THIS MEETING. IF THIS DIFFERS WITH YOUR UNDERSTANDING, PLEASE NOTIFY US.

Mr. Miller addressed "primary" and "secondary" sources of groundwater pollution. Primary sources include direct leakage from sewers (exfiltration), percolation from cesspools and septic tanks, seepage from municipal sewage treatment plants, land disposal of effluent and sludge, leaching from landfills, and seepage from industrial lagoons. Many of the foregoing are actually designed to transmit fluid into the subsurface and their functional success depends upon sound engineering design and good regulatory and operational practice. Examples of the "primary" facility are septic tank systems and land disposal of effluent and sludges.

Among facilities not designed to transmit fluids to the groundwater are landfills, surface impoundments, animal feedlots, leaking sewerage systems, buried hydrocarbon pipelines, industrial waste lagoons, and mineral and chemical stockpiles, etc. Most of these facilities are "permitted" and are built and operated following sound construction and engineering standards and practices. They are, however, subject to failure, particularly after several years of operation and can become serious sources of groundwater (and surface water) pollution.

The serious and long-lived effect of pollution created by leaching of fertilizers, particularly nitrates, to the groundwater regimen was discussed. Documentary evidence is now available that nitrates in groundwater can persist at dangerous levels for at least 30 years in areas where their application has been excessive and otherwise indiscriminate. Mr. Miller terminated his address with a discussion of the effects of ponding highly toxic industrial wastes, particularly in the intensely industrialized coastal region of the eastern United States, upon the groundwater regimen.

ATTENDANTS :



CONFERENCE/MEETING MEMORANDUM

alamo area council of governments

PROJECT : 208 Areawide Waste Treatment Management Plan	MEETING DATE : May 24, 1977
COMMITTEE : ----	ISSUE DATE : May 31, 1977
CONFERENCE, LOCATION : Recreation Center, Hollywood Park, TX	PREPARED BY : Arthur L. Jenke

PURPOSE :
Address Hollywood Park Homeowners Association

DISCUSSIONS AND CONCLUSIONS :

THE FOLLOWING IS OUR UNDERSTANDING OF THE SUBJECT MATTER COVERED IN THIS MEETING. IF THIS DIFFERS WITH YOUR UNDERSTANDING, PLEASE NOTIFY US.

A group of 32 persons assembled in the recreation center of Hollywood Park to hear an address by Jaime B. Ornelas, P.E. and Arthur L. Jenke, P.E. regarding the AACOG "208" Areawide Waste Treatment Management effort currently underway. The invitation to speak before the interested citizenry of Hollywood Park was extended by Mr. Tim Talbert on May 9, 1977. The meeting began at 8:00 P.M.

Mr. Ornelas began the address by presenting an overview of the 208 program. The speaker then emphasized the effects the plan might have on municipalities similar to Hollywood Park. Attention was drawn to the part which the citizen could and should play in the public participation role and the types of input that would be beneficial to the "208" planning staff. At the termination of his address, Mr. Ornelas answered a number of questions during a forum-like discussion period.

Mr. Jenke discussed the Edwards Aquifer Recharge Zone and the effects of possible septic tank system pollution on that potable water supply. Visual support in the form of 35 MM color slides along with actual specimens of Edwards limestone was used by the speaker to illustrate the heterogeneous nature of the limestone. The address was intended to be purely objective and not aimed toward any interest group. The facts regarding both potential pollution and attenuation of pollution of the Aquifer by contaminants originating on the recharge zone were presented to a knowledgeable, intelligent audience. It was obvious to both speakers, on the basis of questions asked during the discussion period, that the group addressed was composed of both environmentalists and so-called special interest groups.

A noteworthy item is the fact that the combined addresses by Messrs. Ornelas and Jenke were planned to consume approximately 30 minutes but in actuality took about an hour and twenty minutes due to audience reception and discussion.

ATTENDANTS :

AACOG

Jaime B. Ornelas
Arthur L. Jenke



CONFERENCE/MEETING MEMORANDUM

alamo area council of governments

PROJECT : 208 Areawide Waste Treatment Management Plan	MEETING DATE : June 28, 1977
COMMITTEE : 201/208 Coordination Meeting	ISSUE DATE : June 30, 1977
CONFERENCE LOCATION : 208 Water Quality Office	PREPARED BY : Patricia A. Henry

PURPOSE :
To coordinate population distribution for 201 and 208

DISCUSSIONS AND CONCLUSIONS :
THE FOLLOWING IS OUR UNDERSTANDING OF THE SUBJECT MATTER COVERED IN THIS MEETING. IF THIS DIFFERS WITH YOUR UNDERSTANDING, PLEASE NOTIFY US.

The meeting was scheduled to coordinate 201/208 population distributions. Mr. Sueltenfuss stated that a computer run with 50% increase and decrease in population distribution is needed to see the differences in wasteload projections. A discussion followed on the sharing of computer cost between 201/208 for the additional computer runs.

The 201 consultants are utilizing the preferred growth sketch prepared by City Planning for the following projection years 1975-2000. It was decided that both 201 and 208 consultants would meet and see if population distributions were compatible for the 201 service areas within the 208 boundaries. Overall the meeting was successful and brought about a better understanding of both planning processes.

ATTENDANTS :

<u>City of San Antonio</u>	<u>AACOG</u>	<u>Ozuna & Assoc.</u>
Mel Sueltenfuss	Jaime B. Ornelas	George Ozuna
Al Elliott	Rob Salvagno	O. J. Valdez
Ken Vickrey	Art Jenke	
Steve Ramsey	Pat Henry	Dave Dennis, CCMA
	Frank Lozano	

MAY 26 1978

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