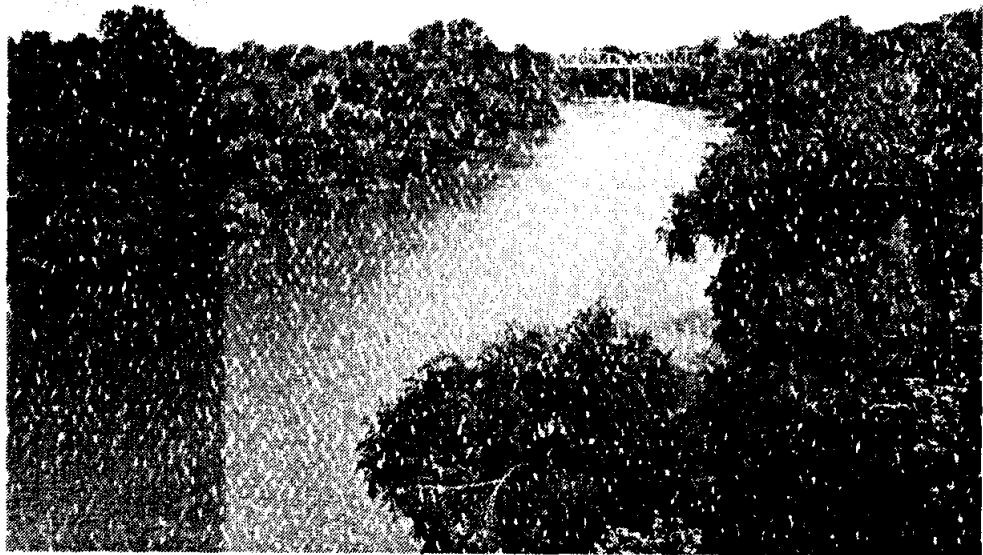


8-483-513

**TRIP REGIONAL
WASTEWATER STUDY
FINAL REPORT
APPENDICES -- VOLUME 2**

**FOR THE LOWER COLORADO
RIVER AUTHORITY**



SEPTEMBER, 1987

Freese
AND
Nichols, INC.
CONSULTING ENGINEERS



LCRA
AN AGENCY OF THE STATE

BASTROP
REGIONAL WASTEWATER STUDY
FINAL REPORT

APPENDICES

Prepared For The
LOWER COLORADO RIVER AUTHORITY

September 1987

Freese and Nichols, Inc.
Consulting Engineers
Fort Worth - Arlington - Austin

LIFT STATION 15, BASINS 2E,3C,3B, YEAR 2010, ANALYZE 1 TRAIN NO 1

*Run #421
Y2010
Facility #15
Qp=9.20*

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	388925	42226	4204	2426	104640	2722	0	113992
SUB TOTAL	388925	42226	4204	2426	104640	2722	0	113992

DIRECT COSTS

PROFIT/OVERHEAD 85563 \$

SUB TOTAL (OTHER DIRECT) 85563 \$ TOTAL CONSTRUCTION COST 474488 \$

INDIRECT COSTS

MISC NON CONST COSTS 23724 \$
 ADMIN/LEGAL 9489 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 39797 \$
 INSPECTION 9489 \$
 CONTINGENCIES 37959 \$
 TECHNICAL COSTS 9489 \$

SUB TOTAL (INDIRECT) 129947 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 58500 \$ (13. ACRES)
 14708 \$

ADMINISTRATIVE COST

LABORATORY COST 13377 \$/YR
 22001 \$/YR

TOTAL PROJECT COST	677643 \$	TOTAL CONSTRUCTION COST	474488 \$
FINAL YEAR O & M	149372 \$/YR	TOTAL STEP III COST	637846 \$
INITIAL YEAR O & M	149372 \$/YR	PRESENT WORTH (APP. A)	2647906 \$

421
2010

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00	PERCENT
D STATE GRANT		0.000E+00	PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01	PERCENT
BONDS	PERCENT RATE LIFE		
I REVENUE	100.00 8.00 20		
D GENERAL OBLIGATION	0.00 0.00 30		
D OTHER	0.00 0.00 30		
D NUMBER OF BILLING UNITS		0.101E+07	
D EXISTING SEWER RATE		0.000E+00	\$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01	
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03	GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00	\$/YEAR
TOTAL PROJECT COST		0.678E+06	\$
EPA ELIGIBLE COST		0.619E+06	\$
LOCAL SHARE		0.696E+06	\$
ANNUAL DEBT SERVICE		0.709E+05	\$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.101E+05	\$/YEAR
CONTINGENCY RESERVE		0.101E+05	\$/YEAR
TOTAL ANNUAL OPERATING COST		0.241E+06	\$/YEAR
TREATMENT COST			
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.239E+00	\$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.239E+00	\$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.239E+00	\$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.239E+00	\$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.199E+01	\$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.199E+01	\$/MONTH

LIFT STATION 7, BASIN 2A, YEAR 1990, 1A&2A Q ANALYZE 1 TRAIN NO 1

Run #42?
 Y 1990
 Facility #
 Qp=0.66

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	172947	18777	2832	1508	3530	1210	0	9080
SUB TOTAL	172947	18777	2832	1508	3530	1210	0	9080
DIRECT COSTS								
PROFIT/OVERHEAD			38048 \$					
SUB TOTAL (OTHER DIRECT)			38048 \$		TOTAL CONSTRUCTION COST		210995 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			10549 \$					
ADMIN/LEGAL			4219 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			21258 \$					
INSPECTION			4219 \$					
CONTINGENCIES			16879 \$					
TECHNICAL COSTS			4219 \$					
SUB TOTAL (INDIRECT)			61343 \$					
LAND COSTS			45000 \$		(10. ACRES)			
INTEREST DURING CONSTRUCTION			7040 \$					
ADMINISTRATIVE COST			7012 \$/YR					
LABORATORY COST			18302 \$/YR					
TOTAL PROJECT COST		324378 \$	TOTAL CONSTRUCTION COST		210995 \$			
FINAL YEAR O & M		34397 \$/YR	TOTAL STEP III COST		303120 \$			
INITIAL YEAR O & M		34397 \$/YR	PRESENT WORTH (APP. A)		849284 \$			

#422
Y1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.299E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.324E+06 \$
EPA ELIGIBLE COST				0.279E+06 \$
LOCAL SHARE				0.333E+06 \$
ANNUAL DEBT SERVICE				0.339E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.484E+04 \$/YEAR
CONTINGENCY RESERVE				0.484E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.780E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.261E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.261E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.261E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.261E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.218E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.218E+01 \$/MONTH

LIFT STATION 7, BASIN 2A, YEAR 2000, 1A&2A Q ANALYZE 1 TRAIN NO 1

Run # 42

LIQUID SEWE 0

Facility # 7

Y 2000

QP = 1.32

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	176254	19136	3096	1685	4003	1233	0	10017
SUB TOTAL	176254	19136	3096	1685	4003	1233	0	10017

DIRECT COSTS

PROFIT/OVERHEAD 38776 \$

SUB TOTAL (OTHER DIRECT) 38776 \$

TOTAL CONSTRUCTION COST 215030 \$

INDIRECT COSTS

MISC NON CONST COSTS 10751 \$
 ADMIN/LEGAL 4300 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 21579 \$
 INSPECTION 4300 \$
 CONTINGENCIES 17202 \$
 TECHNICAL COSTS 4300 \$

SUB TOTAL (INDIRECT) 62432 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 49500 \$ (11. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 8553 \$/YR

TOTAL PROJECT COST 334216 \$ TOTAL CONSTRUCTION COST 215030 \$

FINAL YEAR O & M 37942 \$/YR TOTAL STEP III COST 312637 \$

INITIAL YEAR O & M 37942 \$/YR PRESENT WORTH (APP. A) 915481 \$

#423
Y2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.434E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.334E+06 \$
EPA ELIGIBLE COST				0.285E+06 \$
LOCAL SHARE				0.343E+06 \$
ANNUAL DEBT SERVICE				0.349E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.499E+04 \$/YEAR
CONTINGENCY RESERVE				0.499E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.828E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.191E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.191E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.191E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.191E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.159E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.159E+01 \$/MONTH

LIFT STATION 7, BASIN 2A, YEAR 2010, 1A&2A Q ANALYZE 1 TRAIN NO 1

Run # 424
 Y 2010
 Facility # 7
 Qp = 2.09

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	234701	25482	3284	1814	12343	1642	0	19083
SUB TOTAL	234701	25482	3284	1814	12343	1642	0	19083

DIRECT COSTS

PROFIT/OVERHEAD 51634 \$

SUB TOTAL (OTHER DIRECT) 51634 \$ TOTAL CONSTRUCTION COST 286335 \$

INDIRECT COSTS

MISC NON CONST COSTS 14316 \$
 ADMIN/LEGAL 5726 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 27027 \$
 INSPECTION 5726 \$
 CONTINGENCIES 22906 \$
 TECHNICAL COSTS 5726 \$

SUB TOTAL (INDIRECT) 81427 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 54000 \$ (12. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 10287 \$/YR

TOTAL PROJECT COST 431119 \$ TOTAL CONSTRUCTION COST 286335 \$
 FINAL YEAR O & M 49788 \$/YR TOTAL STEP III COST 404092 \$
 INITIAL YEAR O & M 49788 \$/YR PRESENT WORTH (APP. A) 1166283 \$

#424
Y2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.615E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.431E+06 \$
EPA ELIGIBLE COST				0.377E+06 \$
LOCAL SHARE				0.442E+06 \$
ANNUAL DEBT SERVICE				0.451E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.644E+04 \$/YEAR
CONTINGENCY RESERVE				0.644E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.108E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.175E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.175E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.175E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.175E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.146E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.146E+01 \$/MONTH

Run #451
Y 1990

LIQUID SEWE 0

Component 9A
Q=0.10
P

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	37200	3891	0	0	0	0	0	0
SUB TOTAL	37200	3891	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			8184 \$					
SUB TOTAL (OTHER DIRECT)			8184 \$		TOTAL CONSTRUCTION COST		45384 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			2269 \$					
ADMIN/LEGAL			907 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			5278 \$					
INSPECTION			907 \$					
CONTINGENCIES			3630 \$					
TECHNICAL COSTS			907 \$					
SUB TOTAL (INDIRECT)			13898 \$					
LAND COSTS			0 \$		(9. ACRES)			
INTEREST DURING CONSTRUCTION			7891 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST		67173 \$	TOTAL CONSTRUCTION COST		45384 \$			
FINAL YEAR O & M		0 \$/YR	TOTAL STEP III COST		61895 \$			
INITIAL YEAR O & M		0 \$/YR	PRESENT WORTH (APP. A)		60536 \$			

#451
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.737E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.672E+05 \$
EPA ELIGIBLE COST				0.672E+05 \$
LOCAL SHARE				0.692E+05 \$
ANNUAL DEBT SERVICE				0.705E+04 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.101E+04 \$/YEAR
CONTINGENCY RESERVE				0.101E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.906E+04 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.123E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.123E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.123E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.123E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.102E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.102E+01 \$/MONTH

Run#452
42000

LIQUID SEWE 0

Component #9f
Q=0.12
P

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	37200	3891	0	0	0	0	0	0
SUB TOTAL	37200	3891	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 8184 \$

SUB TOTAL (OTHER DIRECT) 8184 \$ TOTAL CONSTRUCTION COST 45384 \$

INDIRECT COSTS

MISC NON CONST COSTS 2269 \$
 ADMIN/LEGAL 907 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 5278 \$
 INSPECTION 907 \$
 CONTINGENCIES 3630 \$
 TECHNICAL COSTS 907 \$

SUB TOTAL (INDIRECT) 13898 \$

LAND COSTS 0 \$ (9. ACRES)
 INTEREST DURING CONSTRUCTION 7891 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 67173 \$ TOTAL CONSTRUCTION COST 45384 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 61895 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 60536 \$

452
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.129E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.672E+05 \$
EPA ELIGIBLE COST				0.672E+05 \$
LOCAL SHARE				0.692E+05 \$
ANNUAL DEBT SERVICE				0.705E+04 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.101E+04 \$/YEAR
CONTINGENCY RESERVE				0.101E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.906E+04 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.701E-01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.701E-01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.701E-01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.701E-01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.585E+00 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.585E+00 \$/MONTH

Run#453

LIQUID SEWE 0

Y 2010

Component#9A

Qp=0.14

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	37200	3891	0	0	0	0	0	0
SUB TOTAL	37200	3891	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 8184 \$

SUB TOTAL (OTHER DIRECT) 8184 \$ TOTAL CONSTRUCTION COST 45384 \$

INDIRECT COSTS

MISC NON CONST COSTS 2269 \$
 ADMIN/LEGAL 907 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 5278 \$
 INSPECTION 907 \$
 CONTINGENCIES 3630 \$
 TECHNICAL COSTS 907 \$

SUB TOTAL (INDIRECT) 13898 \$

LAND COSTS 0 \$ (9. ACRES)

INTEREST DURING CONSTRUCTION 7891 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 67173 \$ TOTAL CONSTRUCTION COST 45384 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 61895 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 60536 \$

#453
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.153E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.672E+05 \$
EPA ELIGIBLE COST				0.672E+05 \$
LOCAL SHARE				0.692E+05 \$
ANNUAL DEBT SERVICE				0.705E+04 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.101E+04 \$/YEAR
CONTINGENCY RESERVE				0.101E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.906E+04 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.591E-01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.591E-01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.591E-01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.591E-01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.493E+00 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.493E+00 \$/MONTH

FORCE MAIN NUMBER 13, YEAR 1990, DRAFT FINAL ANALYZE 1 TRAIN NO 1

***** Run # 454

LIQUID SEWE 0

Y 1990

***** Component # 13

Q = 0.99

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	547404	57262	0	0	0	0	0	0
SUB TOTAL	547404	57262	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 120428 \$

SUB TOTAL (OTHER DIRECT) 120428 \$ TOTAL CONSTRUCTION COST 667832 \$

INDIRECT COSTS

MISC NON CONST COSTS 33391 \$
 ADMIN/LEGAL 13356 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 53102 \$
 INSPECTION 13356 \$
 CONTINGENCIES 53426 \$
 TECHNICAL COSTS 13356 \$

SUB TOTAL (INDIRECT) 179987 \$

LAND COSTS 0 \$ (9. ACRES)

INTEREST DURING CONSTRUCTION 112865 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 960684 \$ TOTAL CONSTRUCTION COST 667832 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 907582 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 887593 \$

454
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.694E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.961E+06 \$
EPA ELIGIBLE COST				0.961E+06 \$
LOCAL SHARE				0.990E+06 \$
ANNUAL DEBT SERVICE				0.101E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.144E+05 \$/YEAR
CONTINGENCY RESERVE				0.144E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.130E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.187E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.187E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.187E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.187E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.156E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.156E+02 \$/MONTH

Run # 455

Y2000

LIQUID SEWE 0

Component # 13

Q = 3.34
P

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1424015	148963	0	0	0	0	0	0
SUB TOTAL	1424015	148963	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 313283 \$

SUB TOTAL (OTHER DIRECT) 313283 \$

TOTAL CONSTRUCTION COST 1737298 \$

INDIRECT COSTS

MISC NON CONST COSTS 86864 \$
 ADMIN/LEGAL 34745 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 121947 \$
 INSPECTION 34745 \$
 CONTINGENCIES 138983 \$
 TECHNICAL COSTS 34745 \$

SUB TOTAL (INDIRECT) 452029 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 291454 \$ (10. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	2480782 \$	TOTAL CONSTRUCTION COST	1737298 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	2358835 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	2306837 \$

#455
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.299E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.248E+07 \$
EPA ELIGIBLE COST				0.248E+07 \$
LOCAL SHARE				0.256E+07 \$
ANNUAL DEBT SERVICE				0.260E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.372E+05 \$/YEAR
CONTINGENCY RESERVE				0.372E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.335E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.112E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.112E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.112E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.112E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.932E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.932E+01 \$/MONTH

Run # 456

Y 2010

LIQUID SEWE 0

Component # 13

Q = 4.85

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1424015	148963	0	0	0	0	0	0
SUB TOTAL	1424015	148963	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 313283 \$

SUB TOTAL (OTHER DIRECT) 313283 \$

TOTAL CONSTRUCTION COST 1737298 \$

INDIRECT COSTS

MISC NON CONST COSTS 86864 \$
 ADMIN/LEGAL 34745 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 121947 \$
 INSPECTION 34745 \$
 CONTINGENCIES 138983 \$
 TECHNICAL COSTS 34745 \$

SUB TOTAL (INDIRECT) 452029 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 291454 \$ (11. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	2480782 \$	TOTAL CONSTRUCTION COST	1737298 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	2358835 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	2306837 \$

456
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.423E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.248E+07 \$
EPA ELIGIBLE COST				0.248E+07 \$
LOCAL SHARE				0.256E+07 \$
ANNUAL DEBT SERVICE				0.260E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.372E+05 \$/YEAR
CONTINGENCY RESERVE				0.372E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.335E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.790E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.790E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.790E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.790E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.659E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.659E+01 \$/MONTH

Run #457
Y 1990

LIQUID SEWE 0

Component #15
Q = 0.99

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	364936	38175	0	0	0	0	0	0
SUB TOTAL	364936	38175	0	0	0	0	0	0

DIRECT COSTS
PROFIT/OVERHEAD

80285 \$

SUB TOTAL (OTHER DIRECT)

80285 \$

TOTAL CONSTRUCTION COST 445221 \$

INDIRECT COSTS
MISC NON CONST COSTS
ADMIN/LEGAL
201 PLANNING
A/E DESIGN FEE
INSPECTION
CONTINGENCIES
TECHNICAL COSTS

22261 \$
8904 \$
0 \$
37933 \$
8904 \$
35617 \$
8904 \$

SUB TOTAL (INDIRECT)

122523 \$

LAND COSTS
INTEREST DURING CONSTRUCTION

0 \$ (9. ACRES)
75580 \$

ADMINISTRATIVE COST
LABORATORY COST

0 \$/YR
0 \$/YR

TOTAL PROJECT COST	643324 \$	TOTAL CONSTRUCTION COST	445221 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	605391 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	592065 \$

#457
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.694E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.643E+06 \$
EPA ELIGIBLE COST				0.643E+06 \$
LOCAL SHARE				0.663E+06 \$
ANNUAL DEBT SERVICE				0.675E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.964E+04 \$/YEAR
CONTINGENCY RESERVE				0.964E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.868E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.125E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.125E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.125E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.125E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.104E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.104E+02 \$/MONTH

Run # 458

Y2000

LIQUID SEWE 0

Component # 15B

Q = 3.34

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	949343	99308	0	0	0	0	0	0
SUB TOTAL	949343	99308	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 208855 \$

SUB TOTAL (OTHER DIRECT) 208855 \$ TOTAL CONSTRUCTION COST 1158199 \$

INDIRECT COSTS

MISC NON CONST COSTS 57909 \$
 ADMIN/LEGAL 23163 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 85553 \$
 INSPECTION 23163 \$
 CONTINGENCIES 92655 \$
 TECHNICAL COSTS 23163 \$

SUB TOTAL (INDIRECT) 305606 \$

LAND COSTS 0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 194869 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	1658674 \$	TOTAL CONSTRUCTION COST	1158199 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1573121 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1538456 \$

#458
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.299E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.166E+07 \$
EPA ELIGIBLE COST				0.166E+07 \$
LOCAL SHARE				0.171E+07 \$
ANNUAL DEBT SERVICE				0.174E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.249E+05 \$/YEAR
CONTINGENCY RESERVE				0.249E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.224E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.747E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.747E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.747E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.747E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.623E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.623E+01 \$/MONTH

Run #459
Y2010

LIQUID SEWE 0

Component #15

Qp = 4.85

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	949343	99308	0	0	0	0	0	0
SUB TOTAL	949343	99308	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 208855 \$

SUB TOTAL (OTHER DIRECT) 208855 \$ TOTAL CONSTRUCTION COST 1158199 \$

INDIRECT COSTS

MISC NON CONST COSTS 57909 \$
 ADMIN/LEGAL 23163 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 85553 \$
 INSPECTION 23163 \$
 CONTINGENCIES 92655 \$
 TECHNICAL COSTS 23163 \$

SUB TOTAL (INDIRECT) 305606 \$

LAND COSTS 0 \$ (11. ACRES)
 INTEREST DURING CONSTRUCTION 194869 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1658674 \$ TOTAL CONSTRUCTION COST 1158199 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1573121 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1538456 \$

#459
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.423E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.166E+07 \$
EPA ELIGIBLE COST				0.166E+07 \$
LOCAL SHARE				0.171E+07 \$
ANNUAL DEBT SERVICE				0.174E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.249E+05 \$/YEAR
CONTINGENCY RESERVE				0.249E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.224E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.528E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.528E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.528E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.528E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.441E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.441E+01 \$/MONTH

Run # 460
Y 1990

LIQUID SEWE 0

Component # 16
Qp = 0.25

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	266916	27921	0	0	0	0	0	0
SUB TOTAL	266916	27921	0	0	0	0	0	0

DIRECT COSTS
PROFIT/OVERHEAD

58721 \$

SUB TOTAL (OTHER DIRECT)

58721 \$

TOTAL CONSTRUCTION COST 325637 \$

INDIRECT COSTS
MISC NON CONST COSTS
ADMIN/LEGAL
201 PLANNING
A/E DESIGN FEE
INSPECTION
CONTINGENCIES
TECHNICAL COSTS

16281 \$
6512 \$
0 \$
29865 \$
6512 \$
26050 \$
6512 \$

SUB TOTAL (INDIRECT)

91732 \$

LAND COSTS
INTEREST DURING CONSTRUCTION

0 \$ (9. ACRES)
55562 \$

ADMINISTRATIVE COST
LABORATORY COST

0 \$/YR
0 \$/YR

TOTAL PROJECT COST	472931 \$	TOTAL CONSTRUCTION COST	325637 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	443066 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	433319 \$

#460
1990

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.212E+05
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.473E+06 \$
EPA ELIGIBLE COST		0.473E+06 \$
LOCAL SHARE		0.487E+06 \$
ANNUAL DEBT SERVICE		0.496E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.709E+04 \$/YEAR
CONTINGENCY RESERVE		0.709E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.638E+05 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.301E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.301E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.301E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.301E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.251E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.251E+02 \$/MONTH

Run # 461

LIQUID SEWE 0

Y2000

Component #16

Qp = 0.28

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	266916	27921	0	0	0	0	0	0
SUB TOTAL	266916	27921	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 58721 \$

SUB TOTAL (OTHER DIRECT) 58721 \$

TOTAL CONSTRUCTION COST 325637 \$

INDIRECT COSTS

MISC NON CONST COSTS 16281 \$
 ADMIN/LEGAL 6512 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 29865 \$
 INSPECTION 6512 \$
 CONTINGENCIES 26050 \$
 TECHNICAL COSTS 6512 \$

SUB TOTAL (INDIRECT) 91732 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 55562 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	472931 \$	TOTAL CONSTRUCTION COST	325637 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	443066 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	433319 \$

#461
2000

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.226E+05
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.473E+06 \$
EPA ELIGIBLE COST		0.473E+06 \$
LOCAL SHARE		0.487E+06 \$
ANNUAL DEBT SERVICE		0.496E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.709E+04 \$/YEAR
CONTINGENCY RESERVE		0.709E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.638E+05 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.282E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.282E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.282E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.282E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.235E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.235E+02 \$/MONTH

Run # 462
42010

LIQUID SEWE 0

Component # 16

Qp=0.37

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	266916	27921	0	0	0	0	0	0
SUB TOTAL	266916	27921	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 58721 \$

SUB TOTAL (OTHER DIRECT) 58721 \$ TOTAL CONSTRUCTION COST 325637 \$

INDIRECT COSTS

MISC NON CONST COSTS 16281 \$
 ADMIN/LEGAL 6512 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 29865 \$
 INSPECTION 6512 \$
 CONTINGENCIES 26050 \$
 TECHNICAL COSTS 6512 \$

SUB TOTAL (INDIRECT) 91732 \$

LAND COSTS 0 \$ (9. ACRES)
 INTEREST DURING CONSTRUCTION 55562 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 472931 \$ TOTAL CONSTRUCTION COST 325637 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 443066 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 433319 \$

#462
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.285E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.473E+06 \$
EPA ELIGIBLE COST				0.473E+06 \$
LOCAL SHARE				0.487E+06 \$
ANNUAL DEBT SERVICE				0.496E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.709E+04 \$/YEAR
CONTINGENCY RESERVE				0.709E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.638E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.224E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.224E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.224E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.224E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.187E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.187E+02 \$/MONTH

Run #463

LIQUID SEWE 0

Y 1990

Component #22

Qp=3.38

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	345464	36138	0	0	0	0	0	0
SUB TOTAL	345464	36138	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 76002 \$

SUB TOTAL (OTHER DIRECT) 76002 \$

TOTAL CONSTRUCTION COST 421466 \$

INDIRECT COSTS

MISC NON CONST COSTS 21073 \$

ADMIN/LEGAL 8429 \$

201 PLANNING 0 \$

A/E DESIGN FEE 36390 \$

INSPECTION 8429 \$

CONTINGENCIES 33717 \$

TECHNICAL COSTS 8429 \$

SUB TOTAL (INDIRECT) 116467 \$

LAND COSTS 0 \$ (11. ACRES)

INTEREST DURING CONSTRUCTION 71612 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 609545 \$ TOTAL CONSTRUCTION COST 421466 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 573155 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 560540 \$

463
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.369E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.610E+06 \$
EPA ELIGIBLE COST				0.610E+06 \$
LOCAL SHARE				0.628E+06 \$
ANNUAL DEBT SERVICE				0.639E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.914E+04 \$/YEAR
CONTINGENCY RESERVE				0.914E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.822E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.223E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.223E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.223E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.223E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.186E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.186E+01 \$/MONTH

Run# 464
Y 2000

LIQUID SEWE 0

Component #22

Qp = 7.73

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	740432	77455	0	0	0	0	0	0
SUB TOTAL	740432	77455	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 162895 \$

SUB TOTAL (OTHER DIRECT) 162895 \$

TOTAL CONSTRUCTION COST 903327 \$

INDIRECT COSTS

MISC NON CONST COSTS 45166 \$
 ADMIN/LEGAL 18066 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 68944 \$
 INSPECTION 18066 \$
 CONTINGENCIES 72266 \$
 TECHNICAL COSTS 18066 \$

SUB TOTAL (INDIRECT) 240574 \$

LAND COSTS 0 \$ (13. ACRES)
 INTEREST DURING CONSTRUCTION 152281 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1296182 \$ TOTAL CONSTRUCTION COST 903327 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1227238 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1200201 \$

#464
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.913E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.130E+07 \$
EPA ELIGIBLE COST				0.130E+07 \$
LOCAL SHARE				0.134E+07 \$
ANNUAL DEBT SERVICE				0.136E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.194E+05 \$/YEAR
CONTINGENCY RESERVE				0.194E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.175E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.192E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.192E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.192E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.192E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.160E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.160E+01 \$/MONTH

Run# 465

Y 2010

LIQUID SEWE 0

Component# 22

Qp=12.08

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	740432	77455	0	0	0	0	0	0
SUB TOTAL	740432	77455	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 162895 \$

SUB TOTAL (OTHER DIRECT) 162895 \$ TOTAL CONSTRUCTION COST 903327 \$

INDIRECT COSTS

MISC NON CONST COSTS 45166 \$
 ADMIN/LEGAL 18066 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 68944 \$
 INSPECTION 18066 \$
 CONTINGENCIES 72266 \$
 TECHNICAL COSTS 18066 \$

SUB TOTAL (INDIRECT) 240574 \$

LAND COSTS 0 \$ (15. ACRES)

INTEREST DURING CONSTRUCTION 152281 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	1296182 \$	TOTAL CONSTRUCTION COST	903327 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1227238 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1200201 \$

#465
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.142E+07
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.130E+07 \$
EPA ELIGIBLE COST				0.130E+07 \$
LOCAL SHARE				0.134E+07 \$
ANNUAL DEBT SERVICE				0.136E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.194E+05 \$/YEAR
CONTINGENCY RESERVE				0.194E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.175E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.123E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.123E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.123E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.123E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.103E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.103E+01 \$/MONTH

Run #466

LIQUID SEWE 0

Y1990

Component #23

Qp = 0.66

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	222456	23270	0	0	0	0	0	0
SUB TOTAL	222456	23270	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 48940 \$

SUB TOTAL (OTHER DIRECT) 48940 \$ TOTAL CONSTRUCTION COST 271396 \$

INDIRECT COSTS

MISC NON CONST COSTS 13569 \$
 ADMIN/LEGAL 5427 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 25920 \$
 INSPECTION 5427 \$
 CONTINGENCIES 21711 \$
 TECHNICAL COSTS 5427 \$

SUB TOTAL (INDIRECT) 77481 \$

LAND COSTS 0 \$ (9. ACRES)

INTEREST DURING CONSTRUCTION 46444 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 395321 \$ TOTAL CONSTRUCTION COST 271396 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 369401 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 361278 \$

466
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.657E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.395E+06 \$
EPA ELIGIBLE COST				0.395E+06 \$
LOCAL SHARE				0.407E+06 \$
ANNUAL DEBT SERVICE				0.415E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.592E+04 \$/YEAR
CONTINGENCY RESERVE				0.592E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.533E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.812E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.812E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.812E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.812E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.677E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.677E+01 \$/MONTH

Run #467
Y2000

LIQUID SEWE 0

Component #2
Qp=1.32

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	432016	45192	0	0	0	0	0	0
SUB TOTAL	432016	45192	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			95043 \$					
SUB TOTAL (OTHER DIRECT)			95043 \$		TOTAL CONSTRUCTION COST		527059 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			26352 \$					
ADMIN/LEGAL			10541 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			43310 \$					
INSPECTION			10541 \$					
CONTINGENCIES			42164 \$					
TECHNICAL COSTS			10541 \$					
SUB TOTAL (INDIRECT)			143449 \$					
LAND COSTS			0 \$		(9. ACRES)			
INTEREST DURING CONSTRUCTION			89261 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST		759769 \$	TOTAL CONSTRUCTION COST		527059 \$			
FINAL YEAR O & M		0 \$/YR	TOTAL STEP III COST		716459 \$			
INITIAL YEAR O & M		0 \$/YR	PRESENT WORTH (APP. A)		700684 \$			

#467
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.146E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.760E+06 \$
EPA ELIGIBLE COST				0.760E+06 \$
LOCAL SHARE				0.783E+06 \$
ANNUAL DEBT SERVICE				0.797E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.114E+05 \$/YEAR
CONTINGENCY RESERVE				0.114E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.102E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.702E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.702E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.702E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.702E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.585E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.585E+01 \$/MONTH

Run #468

Y2010

Component #2

Qp=2.09

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	432016	45192	0	0	0	0	0	0
SUB TOTAL	432016	45192	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 95043 \$

SUB TOTAL (OTHER DIRECT) 95043 \$ TOTAL CONSTRUCTION COST 527059 \$

INDIRECT COSTS

MISC NON CONST COSTS 26352 \$
 ADMIN/LEGAL 10541 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 43310 \$
 INSPECTION 10541 \$
 CONTINGENCIES 42164 \$
 TECHNICAL COSTS 10541 \$

SUB TOTAL (INDIRECT) 143449 \$

LAND COSTS 0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 89261 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 759769 \$ TOTAL CONSTRUCTION COST 527059 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 716459 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 700684 \$

#468
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.277E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.760E+06 \$
EPA ELIGIBLE COST				0.760E+06 \$
LOCAL SHARE				0.783E+06 \$
ANNUAL DEBT SERVICE				0.797E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.114E+05 \$/YEAR
CONTINGENCY RESERVE				0.114E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.102E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.369E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.369E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.369E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.369E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.308E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.308E+01 \$/MONTH

Run # 469

LIQUID SEWE 0

Y 1990

Component # 24

Qp = 2.25

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	581560	60835	0	0	0	0	0	0
SUB TOTAL	581560	60835	0	0	0	0	0	0

DIRECT COSTS
PROFIT/OVERHEAD

127943 \$

SUB TOTAL (OTHER DIRECT)

127943 \$

TOTAL CONSTRUCTION COST

709503 \$

INDIRECT COSTS
MISC NON CONST COSTS
ADMIN/LEGAL
201 PLANNING
A/E DESIGN FEE
INSPECTION
CONTINGENCIES
TECHNICAL COSTS

35475 \$
14190 \$
0 \$
55948 \$
14190 \$
56760 \$
14190 \$

SUB TOTAL (INDIRECT)

190753 \$

LAND COSTS
INTEREST DURING CONSTRUCTION

0 \$ (10. ACRES)
119846 \$

ADMINISTRATIVE COST
LABORATORY COST

0 \$/YR
0 \$/YR

TOTAL PROJECT COST	1020102 \$	TOTAL CONSTRUCTION COST	709503 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	964154 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	942918 \$

#469
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.230E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.102E+07 \$
EPA ELIGIBLE COST				0.102E+07 \$
LOCAL SHARE				0.105E+07 \$
ANNUAL DEBT SERVICE				0.107E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.153E+05 \$/YEAR
CONTINGENCY RESERVE				0.153E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.138E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.598E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.598E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.598E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.598E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.499E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.499E+01 \$/MONTH

Run # 470

LIQUID SEWE 0

Y 2000

Component # 24

Op = 5.95

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1428000	149380	0	0	0	0	0	0
SUB TOTAL	1428000	149380	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 314160 \$

SUB TOTAL (OTHER DIRECT) 314160 \$ TOTAL CONSTRUCTION COST 1742160 \$

INDIRECT COSTS

MISC NON CONST COSTS 87108 \$
 ADMIN/LEGAL 34843 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 122246 \$
 INSPECTION 34843 \$
 CONTINGENCIES 139372 \$
 TECHNICAL COSTS 34843 \$

SUB TOTAL (INDIRECT) 453255 \$

LAND COSTS 0 \$ (12. ACRES)
 INTEREST DURING CONSTRUCTION 292264 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 2487679 \$ TOTAL CONSTRUCTION COST 1742160 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 2365433 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 2313290 \$

*470
2000

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.650E+06
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.249E+07 \$
EPA ELIGIBLE COST		0.249E+07 \$
LOCAL SHARE		0.256E+07 \$
ANNUAL DEBT SERVICE		0.261E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.373E+05 \$/YEAR
CONTINGENCY RESERVE		0.373E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.336E+06 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.516E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.516E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.516E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.516E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.431E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.431E+01 \$/MONTH

Run # 471
 42010
 Component #24
 Qp = 9.20

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1428000	149380	0	0	0	0	0	0
SUB TOTAL	1428000	149380	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 314160 \$

SUB TOTAL (OTHER DIRECT) 314160 \$ TOTAL CONSTRUCTION COST 1742160 \$

INDIRECT COSTS

MISC NON CONST COSTS 87108 \$
 ADMIN/LEGAL 34843 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 122246 \$
 INSPECTION 34843 \$
 CONTINGENCIES 139372 \$
 TECHNICAL COSTS 34843 \$

SUB TOTAL (INDIRECT) 453255 \$

LAND COSTS 0 \$ (13. ACRES)
 INTEREST DURING CONSTRUCTION 292264 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 2487679 \$ TOTAL CONSTRUCTION COST 1742160 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 2365433 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 2313290 \$

#471
2010

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.101E+07
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.249E+07 \$
EPA ELIGIBLE COST		0.249E+07 \$
LOCAL SHARE		0.256E+07 \$
ANNUAL DEBT SERVICE		0.261E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.373E+05 \$/YEAR
CONTINGENCY RESERVE		0.373E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.336E+06 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.333E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.333E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.333E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.333E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.278E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.278E+01 \$/MONTH

Run # 472
Y 1990

LIQUID SEWE 0

Component # 26

COST SUMMARY

Q = 0.25
P

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	385020	40276	0	0	0	0	0	0
SUB TOTAL	385020	40276	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 84704 \$

SUB TOTAL (OTHER DIRECT) 84704 \$ TOTAL CONSTRUCTION COST 469724 \$

INDIRECT COSTS

MISC NON CONST COSTS 23486 \$
 ADMIN/LEGAL 9394 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 39496 \$
 INSPECTION 9394 \$
 CONTINGENCIES 37577 \$
 TECHNICAL COSTS 9394 \$

SUB TOTAL (INDIRECT) 128741 \$

LAND COSTS 0 \$ (9. ACRES)

INTEREST DURING CONSTRUCTION 79670 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	678135 \$	TOTAL CONSTRUCTION COST	469724 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	638639 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	624580 \$

#472
1990

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.584E+05
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.678E+06 \$
EPA ELIGIBLE COST		0.678E+06 \$
LOCAL SHARE		0.698E+06 \$
ANNUAL DEBT SERVICE		0.711E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.102E+05 \$/YEAR
CONTINGENCY RESERVE		0.102E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.915E+05 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.157E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.157E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.157E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.157E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.131E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.131E+02 \$/MONTH

***** Run #473

LIQUID SEWE 0

Y 2000

***** Component #26

$Q = 0.98$
P

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	385020	40276	0	0	0	0	0	0
SUB TOTAL	385020	40276	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 84704 \$

SUB TOTAL (OTHER DIRECT) 84704 \$ TOTAL CONSTRUCTION COST 469724 \$

INDIRECT COSTS

MISC NON CONST COSTS 23486 \$
 ADMIN/LEGAL 9394 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 39496 \$
 INSPECTION 9394 \$
 CONTINGENCIES 37577 \$
 TECHNICAL COSTS 9394 \$

SUB TOTAL (INDIRECT) 128741 \$

LAND COSTS 0 \$ (9. ACRES)

INTEREST DURING CONSTRUCTION 79670 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	678135 \$	TOTAL CONSTRUCTION COST	469724 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	638639 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	624580 \$

473
2000

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.803E+05
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.678E+06 \$
EPA ELIGIBLE COST		0.678E+06 \$
LOCAL SHARE		0.698E+06 \$
ANNUAL DEBT SERVICE		0.711E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.102E+05 \$/YEAR
CONTINGENCY RESERVE		0.102E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.915E+05 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.114E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.114E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.114E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.114E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.950E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.950E+01 \$/MONTH

Run #474
Y2010

LIQUID SEWE 0

Component #26
Q = 2.08

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	747720	78217	0	0	0	0	0	0
SUB TOTAL	747720	78217	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 164498 \$

SUB TOTAL (OTHER DIRECT) 164498 \$ TOTAL CONSTRUCTION COST 912218 \$

INDIRECT COSTS

MISC NON CONST COSTS 45610 \$
 ADMIN/LEGAL 18244 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 69532 \$
 INSPECTION 18244 \$
 CONTINGENCIES 72977 \$
 TECHNICAL COSTS 18244 \$

SUB TOTAL (INDIRECT) 242851 \$

LAND COSTS 0 \$ (9. ACRES)
 INTEREST DURING CONSTRUCTION 153768 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1308837 \$ TOTAL CONSTRUCTION COST 912218 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1239305 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1212002 \$

#474
2010

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.168E+06
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.131E+07 \$
EPA ELIGIBLE COST		0.131E+07 \$
LOCAL SHARE		0.135E+07 \$
ANNUAL DEBT SERVICE		0.137E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.196E+05 \$/YEAR
CONTINGENCY RESERVE		0.196E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.177E+06 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.105E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.105E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.105E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.105E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.877E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.877E+01 \$/MONTH

FORCE MAIN NUMBER 23, YEAR 1990, 1A&2A Q ANALYZE 1 TRAIN NO 1

Run # 475
 Y 1990
 Component # 23
 QP = 0.66

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	222456	23270	0	0	0	0	0	0
SUB TOTAL	222456	23270	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 48940 \$

SUB TOTAL (OTHER DIRECT) 48940 \$ TOTAL CONSTRUCTION COST 271396 \$

INDIRECT COSTS

MISC NON CONST COSTS 13569 \$
 ADMIN/LEGAL 5427 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 25920 \$
 INSPECTION 5427 \$
 CONTINGENCIES 21711 \$
 TECHNICAL COSTS 5427 \$

SUB TOTAL (INDIRECT) 77481 \$

LAND COSTS 0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 46444 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 395321 \$ TOTAL CONSTRUCTION COST 271396 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 369401 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 361278 \$

#475
Y1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.299E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.395E+06 \$
EPA ELIGIBLE COST				0.395E+06 \$
LOCAL SHARE				0.407E+06 \$
ANNUAL DEBT SERVICE				0.415E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.592E+04 \$/YEAR
CONTINGENCY RESERVE				0.592E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.533E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.178E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.178E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.178E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.178E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.149E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.149E+01 \$/MONTH

FORCE MAIN NUMBER 23, YEAR 2000, 1A&2A Q ANALYZE 1 TRAIN NO 1

Run # 476
Y 2000
Component # 2
Qp = 1.32

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	432016	45192	0	0	0	0	0	0
SUB TOTAL	432016	45192	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 95043 \$

SUB TOTAL (OTHER DIRECT) 95043 \$ TOTAL CONSTRUCTION COST 527059 \$

INDIRECT COSTS

MISC NON CONST COSTS 26352 \$
 ADMIN/LEGAL 10541 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 43310 \$
 INSPECTION 10541 \$
 CONTINGENCIES 42164 \$
 TECHNICAL COSTS 10541 \$

SUB TOTAL (INDIRECT) 143449 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 89261 \$ (11. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	759769 \$	TOTAL CONSTRUCTION COST	527059 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	716459 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	700684 \$

476
Y2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.434E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.760E+06 \$
EPA ELIGIBLE COST				0.760E+06 \$
LOCAL SHARE				0.783E+06 \$
ANNUAL DEBT SERVICE				0.797E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.114E+05 \$/YEAR
CONTINGENCY RESERVE				0.114E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.102E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.236E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.236E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.236E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.236E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.197E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.197E+01 \$/MONTH

Run # 477
 Y 2010
 Component # 27
 Qp = 2.09

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	432016	45192	0	0	0	0	0	0
SUB TOTAL	432016	45192	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 95043 \$

SUB TOTAL (OTHER DIRECT) 95043 \$ TOTAL CONSTRUCTION COST 527059 \$

INDIRECT COSTS

MISC NON CONST COSTS 26352 \$
 ADMIN/LEGAL 10541 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 43310 \$
 INSPECTION 10541 \$
 CONTINGENCIES 42164 \$
 TECHNICAL COSTS 10541 \$

SUB TOTAL (INDIRECT) 143449 \$

LAND COSTS 0 \$ (12. ACRES)
 INTEREST DURING CONSTRUCTION 89261 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 759769 \$ TOTAL CONSTRUCTION COST 527059 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 716459 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 700684 \$

#477

USER CHARGE SUMMARY

Y2010

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.615E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.760E+06 \$
EPA ELIGIBLE COST				0.760E+06 \$
LOCAL SHARE				0.783E+06 \$
ANNUAL DEBT SERVICE				0.797E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.114E+05 \$/YEAR
CONTINGENCY RESERVE				0.114E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.102E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.167E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.167E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.167E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.167E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.139E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.139E+01 \$/MONTH

***** Run #501
 Component #2
 Q_p = 0.35
 Year 1990

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	351072	36724	0	0	0	0	0	0
SUB TOTAL	351072	36724	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			77235 \$					
SUB TOTAL (OTHER DIRECT)			77235 \$		TOTAL CONSTRUCTION COST		428307 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			21415 \$					
ADMIN/LEGAL			8566 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			36837 \$					
INSPECTION			8566 \$					
CONTINGENCIES			34264 \$					
TECHNICAL COSTS			8566 \$					
SUB TOTAL (INDIRECT)			118214 \$					
LAND COSTS			0 \$		(9. ACRES)			
INTEREST DURING CONSTRUCTION			72755 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			619276 \$		TOTAL CONSTRUCTION COST		428307 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		582439 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		569619 \$	

#501

1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.464E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.619E+06 \$
EPA ELIGIBLE COST				0.619E+06 \$
LOCAL SHARE				0.638E+06 \$
ANNUAL DEBT SERVICE				0.650E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.928E+04 \$/YEAR
CONTINGENCY RESERVE				0.928E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.835E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.180E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.180E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.180E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.180E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.150E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.150E+02 \$/MONTH

Run #502

LIQUID SEWE 0

Component #2

Qp = 1.02

Year 2000

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	632160	66128	0	0	0	0	0	0
SUB TOTAL	632160	66128	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 139075 \$

SUB TOTAL (OTHER DIRECT) 139075 \$

TOTAL CONSTRUCTION COST 771235 \$

INDIRECT COSTS

MISC NON CONST COSTS 38561 \$

ADMIN/LEGAL 15424 \$

201 PLANNING 0 \$

A/E DESIGN FEE 60129 \$

INSPECTION 15424 \$

CONTINGENCIES 61698 \$

TECHNICAL COSTS 15424 \$

SUB TOTAL (INDIRECT) 206660 \$

LAND COSTS

0 \$ (9. ACRES)

INTEREST DURING CONSTRUCTION 130182 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST 1108077 \$ TOTAL CONSTRUCTION COST 771235 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1047948 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1024864 \$

#502
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.113E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.111E+07 \$
EPA ELIGIBLE COST				0.111E+07 \$
LOCAL SHARE				0.114E+07 \$
ANNUAL DEBT SERVICE				0.116E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.166E+05 \$/YEAR
CONTINGENCY RESERVE				0.166E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.149E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.132E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.132E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.132E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.132E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.110E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.110E+02 \$/MONTH

 LIQUID SEWE 0

Run #503
Component #2
Op = 2.02
Year 2010

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	969408	101407	0	0	0	0	0	0
SUB TOTAL	969408	101407	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			213269 \$					
SUB TOTAL (OTHER DIRECT)			213269 \$	TOTAL CONSTRUCTION COST		1182677 \$		
INDIRECT COSTS								
MISC NON CONST COSTS			59133 \$					
ADMIN/LEGAL			23653 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			87125 \$					
INSPECTION			23653 \$					
CONTINGENCIES			94614 \$					
TECHNICAL COSTS			23653 \$					
SUB TOTAL (INDIRECT)			311831 \$					
LAND COSTS			0 \$	(10. ACRES)				
INTEREST DURING CONSTRUCTION			198956 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			1693464 \$	TOTAL CONSTRUCTION COST		1182677 \$		
FINAL YEAR O & M			0 \$/YR	TOTAL STEP III COST		1606339 \$		
INITIAL YEAR O & M			0 \$/YR	PRESENT WORTH (APP. A)		1570941 \$		

Run # 503

USER CHARGE SUMMARY

2010

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.227E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.169E+07 \$
EPA ELIGIBLE COST				0.169E+07 \$
LOCAL SHARE				0.174E+07 \$
ANNUAL DEBT SERVICE				0.178E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.254E+05 \$/YEAR
CONTINGENCY RESERVE				0.254E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.228E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.100E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.100E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.100E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.100E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.838E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.838E+01 \$/MONTH

Run # 504
Y 1990
Component # 3
Qp = 4.51

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1130400	118248	0	0	0	0	0	0
SUB TOTAL	1130400	118248	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			248688 \$					
SUB TOTAL (OTHER DIRECT)			248688 \$		TOTAL CONSTRUCTION COST		1379088 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			68954 \$					
ADMIN/LEGAL			27581 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			99619 \$					
INSPECTION			27581 \$					
CONTINGENCIES			110327 \$					
TECHNICAL COSTS			27581 \$					
SUB TOTAL (INDIRECT)			361643 \$					
LAND COSTS			0 \$		(12. ACRES)			
INTEREST DURING CONSTRUCTION			231734 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			1972465 \$		TOTAL CONSTRUCTION COST		1379088 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		1872846 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		1831569 \$	

Run # 501
Y 1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.573E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.197E+07 \$
EPA ELIGIBLE COST				0.197E+07 \$
LOCAL SHARE				0.203E+07 \$
ANNUAL DEBT SERVICE				0.207E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.296E+05 \$/YEAR
CONTINGENCY RESERVE				0.296E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.266E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.464E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.464E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.464E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.464E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.387E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.387E+01 \$/MONTH

Run #505

Y 2000

LIQUID SEWE 0

Component #3

Qp = 5.89

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1276240	133504	0	0	0	0	0	0
SUB TOTAL	1276240	133504	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 280772 \$

SUB TOTAL (OTHER DIRECT) 280772 \$

TOTAL CONSTRUCTION COST 1557012 \$

INDIRECT COSTS

MISC NON CONST COSTS 77850 \$

ADMIN/LEGAL 31140 \$

201 PLANNING 0 \$

A/E DESIGN FEE 110775 \$

INSPECTION 31140 \$

CONTINGENCIES 124560 \$

TECHNICAL COSTS 31140 \$

SUB TOTAL (INDIRECT) 406605 \$

LAND COSTS 0 \$ (12. ACRES)

INTEREST DURING CONSTRUCTION 261406 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 2225023 \$ TOTAL CONSTRUCTION COST 1557012 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 2114248 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 2067646 \$

#505
Y2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.753E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.223E+07 \$
EPA ELIGIBLE COST				0.223E+07 \$
LOCAL SHARE				0.229E+07 \$
ANNUAL DEBT SERVICE				0.233E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.333E+05 \$/YEAR
CONTINGENCY RESERVE				0.333E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.300E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.399E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.399E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.399E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.399E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.333E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.333E+01 \$/MONTH

Run# 506
Y 2010

LIQUID SEWE 0

Component# 3
Qp = 7.20

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1276240	133504	0	0	0	0	0	0
SUB TOTAL	1276240	133504	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 280772 \$

SUB TOTAL (OTHER DIRECT) 280772 \$

TOTAL CONSTRUCTION COST 1557012 \$

INDIRECT COSTS

MISC NON CONST COSTS 77850 \$

ADMIN/LEGAL 31140 \$

201 PLANNING 0 \$

A/E DESIGN FEE 110775 \$

INSPECTION 31140 \$

CONTINGENCIES 124560 \$

TECHNICAL COSTS 31140 \$

SUB TOTAL (INDIRECT) 406605 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 261406 \$ (13. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 2225023 \$ TOTAL CONSTRUCTION COST 1557012 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 2114248 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 2067646 \$

Run #506
Y2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.876E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.223E+07 \$
EPA ELIGIBLE COST				0.223E+07 \$
LOCAL SHARE				0.229E+07 \$
ANNUAL DEBT SERVICE				0.233E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.333E+05 \$/YEAR
CONTINGENCY RESERVE				0.333E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.300E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.343E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.343E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.343E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.343E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.286E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.286E+01 \$/MONTH

Run # 507
 Y 1990
 Component # 4
 Qp = 4.51

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1121824	117351	0	0	0	0	0	0
SUB TOTAL	1121824	117351	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			246801 \$					
SUB TOTAL (OTHER DIRECT)			246801 \$		TOTAL CONSTRUCTION COST		1368625 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			68431 \$					
ADMIN/LEGAL			27372 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			98958 \$					
INSPECTION			27372 \$					
CONTINGENCIES			109490 \$					
TECHNICAL COSTS			27372 \$					
SUB TOTAL (INDIRECT)			358995 \$					
LAND COSTS			0 \$ (12. ACRES)					
INTEREST DURING CONSTRUCTION			229989 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			1957609 \$		TOTAL CONSTRUCTION COST		1368625 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		1858651 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		1817688 \$	

#507
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.573E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.196E+07 \$
EPA ELIGIBLE COST				0.196E+07 \$
LOCAL SHARE				0.202E+07 \$
ANNUAL DEBT SERVICE				0.205E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.293E+05 \$/YEAR
CONTINGENCY RESERVE				0.293E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.264E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.461E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.461E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.461E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.461E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.384E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.384E+01 \$/MONTH

Run# 508
Y 2000
Component #1
Qp = 5.89

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1266583	132494	0	0	0	0	0	0
SUB TOTAL	1266583	132494	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	278648 \$							
SUB TOTAL (OTHER DIRECT)	278648 \$					TOTAL CONSTRUCTION COST	1545231 \$	

INDIRECT COSTS

MISC NON CONST COSTS	77261 \$
ADMIN/LEGAL	30904 \$
201 PLANNING	0 \$
A/E DESIGN FEE	110040 \$
INSPECTION	30904 \$
CONTINGENCIES	123618 \$
TECHNICAL COSTS	30904 \$
SUB TOTAL (INDIRECT)	403631 \$

LAND COSTS	0 \$	(12. ACRES)
INTEREST DURING CONSTRUCTION	259442 \$	

ADMINISTRATIVE COST	0 \$/YR
LABORATORY COST	0 \$/YR

TOTAL PROJECT COST	2208305 \$	TOTAL CONSTRUCTION COST	1545231 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	2098265 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	2052016 \$

#508
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.753E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.221E+07 \$
EPA ELIGIBLE COST				0.221E+07 \$
LOCAL SHARE				0.227E+07 \$
ANNUAL DEBT SERVICE				0.232E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.331E+05 \$/YEAR
CONTINGENCY RESERVE				0.331E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.298E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.396E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.396E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.396E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.396E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.330E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.330E+01 \$/MONTH

Run# 509

LIQUID SEWE 0

Y2010

Component # 4

Qp = 7.20

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1266583	132494	0	0	0	0	0	0
SUB TOTAL	1266583	132494	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 278648 \$

SUB TOTAL (OTHER DIRECT) 278648 \$

TOTAL CONSTRUCTION COST 1545231 \$

INDIRECT COSTS

MISC NON CONST COSTS 77261 \$

ADMIN/LEGAL 30904 \$

201 PLANNING 0 \$

A/E DESIGN FEE 110040 \$

INSPECTION 30904 \$

CONTINGENCIES 123618 \$

TECHNICAL COSTS 30904 \$

SUB TOTAL (INDIRECT) 403631 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 259442 \$ (13. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 2208305 \$ TOTAL CONSTRUCTION COST 1545231 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 2098265 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 2052016 \$

509
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.876E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.221E+07 \$
EPA ELIGIBLE COST				0.221E+07 \$
LOCAL SHARE				0.227E+07 \$
ANNUAL DEBT SERVICE				0.232E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.331E+05 \$/YEAR
CONTINGENCY RESERVE				0.331E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.298E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.340E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.340E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.340E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.340E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.284E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.284E+01 \$/MONTH

Run #510
Y 1990

LIQUID SEWE 0

Component #5
Qp=2.2

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	436980	45711	0	0	0	0	0	0
SUB TOTAL	436980	45711	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			96135 \$					
SUB TOTAL (OTHER DIRECT)			96135 \$		TOTAL CONSTRUCTION COST		533115 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			26655 \$					
ADMIN/LEGAL			10662 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			43738 \$					
INSPECTION			10662 \$					
CONTINGENCIES			42649 \$					
TECHNICAL COSTS			10662 \$					
SUB TOTAL (INDIRECT)			145028 \$					
LAND COSTS			0 \$ (10. ACRES)					
INTEREST DURING CONSTRUCTION			90277 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST		768420 \$	TOTAL CONSTRUCTION COST		533115 \$			
FINAL YEAR O & M		0 \$/YR	TOTAL STEP III COST		724682 \$			
INITIAL YEAR O & M		0 \$/YR	PRESENT WORTH (APP. A)		708725 \$			

#510
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.339E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.768E+06 \$
EPA ELIGIBLE COST				0.768E+06 \$
LOCAL SHARE				0.791E+06 \$
ANNUAL DEBT SERVICE				0.806E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.115E+05 \$/YEAR
CONTINGENCY RESERVE				0.115E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.104E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.305E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.305E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.305E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.305E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.255E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.255E+01 \$/MONTH

***** Run # 511

LIQUID SEWE 0

Y 2000

***** Component #5

Qp = 3.3

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	528960	55333	0	0	0	0	0	0
SUB TOTAL	528960	55333	0	0	0	0	0	0

DIRECT COSTS
PROFIT/OVERHEAD

116371 \$

SUB TOTAL (OTHER DIRECT)

116371 \$

TOTAL CONSTRUCTION COST

645331 \$

INDIRECT COSTS

MISC NON CONST COSTS	32266 \$
ADMIN/LEGAL	12906 \$
201 PLANNING	0 \$
A/E DESIGN FEE	51555 \$
INSPECTION	12906 \$
CONTINGENCIES	51626 \$
TECHNICAL COSTS	12906 \$

SUB TOTAL (INDIRECT)

174165 \$

LAND COSTS

0 \$ (11. ACRES)

INTEREST DURING CONSTRUCTION

109095 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST	928591 \$	TOTAL CONSTRUCTION COST	645331 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	877036 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	857721 \$

#511
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.467E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.929E+06 \$
EPA ELIGIBLE COST				0.929E+06 \$
LOCAL SHARE				0.956E+06 \$
ANNUAL DEBT SERVICE				0.974E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.139E+05 \$/YEAR
CONTINGENCY RESERVE				0.139E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.125E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.268E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.268E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.268E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.268E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.224E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.224E+01 \$/MONTH

 LIQUID SEWE 0

Run#512
 Y 2010
 Component#5
 Qp=4.2

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	621000	64961	0	0	0	0	0	0
SUB TOTAL	621000	64961	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	136620 \$
SUB TOTAL (OTHER DIRECT)	136620 \$
TOTAL CONSTRUCTION COST	757620 \$

INDIRECT COSTS

MISC NON CONST COSTS	37881 \$
ADMIN/LEGAL	15152 \$
201 PLANNING	0 \$
A/E DESIGN FEE	59210 \$
INSPECTION	15152 \$
CONTINGENCIES	60609 \$
TECHNICAL COSTS	15152 \$
SUB TOTAL (INDIRECT)	203156 \$

LAND COSTS 0 \$ (11. ACRES)
 INTEREST DURING CONSTRUCTION 127903 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	1088679 \$	TOTAL CONSTRUCTION COST	757620 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1029469 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1006793 \$

512
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.537E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.109E+07 \$
EPA ELIGIBLE COST				0.109E+07 \$
LOCAL SHARE				0.112E+07 \$
ANNUAL DEBT SERVICE				0.114E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.163E+05 \$/YEAR
CONTINGENCY RESERVE				0.163E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.147E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.274E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.274E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.274E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.274E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.228E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.228E+01 \$/MONTH

Run #513
Y 1990

LIQUID SEWE 0

Component #5
Qp = 0.96

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	344940	36083	0	0	0	0	0	0
SUB TOTAL	344940	36083	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			75886 \$					
SUB TOTAL (OTHER DIRECT)			75886 \$		TOTAL CONSTRUCTION COST		420826 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			21041 \$					
ADMIN/LEGAL			8416 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			36348 \$					
INSPECTION			8416 \$					
CONTINGENCIES			33666 \$					
TECHNICAL COSTS			8416 \$					
SUB TOTAL (INDIRECT)			116303 \$					
LAND COSTS			0 \$ (9. ACRES)					
INTEREST DURING CONSTRUCTION			71505 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST	608634 \$	TOTAL CONSTRUCTION COST		420826 \$				
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST		572286 \$				
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)		559690 \$				

#513
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.949E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.609E+06 \$
EPA ELIGIBLE COST				0.609E+06 \$
LOCAL SHARE				0.627E+06 \$
ANNUAL DEBT SERVICE				0.639E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.912E+04 \$/YEAR
CONTINGENCY RESERVE				0.912E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.821E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.865E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.865E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.865E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.865E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.721E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.721E+01 \$/MONTH

Run # 514

Y2000

LIQUID SEWE 0

Component # 5

Qp=1-16

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	344940	36083	0	0	0	0	0	0
SUB TOTAL	344940	36083	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			75886 \$					
SUB TOTAL (OTHER DIRECT)			75886 \$		TOTAL CONSTRUCTION COST		420826 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			21041 \$					
ADMIN/LEGAL			8416 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			36348 \$					
INSPECTION			8416 \$					
CONTINGENCIES			33666 \$					
TECHNICAL COSTS			8416 \$					
SUB TOTAL (INDIRECT)			116303 \$					
LAND COSTS			0 \$		(9. ACRES)			
INTEREST DURING CONSTRUCTION			71505 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST		608634 \$	TOTAL CONSTRUCTION COST		420826 \$			
FINAL YEAR O & M		0 \$/YR	TOTAL STEP III COST		572286 \$			
INITIAL YEAR O & M		0 \$/YR	PRESENT WORTH (APP. A)		559690 \$			

#514

2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.128E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.609E+06 \$
EPA ELIGIBLE COST				0.609E+06 \$
LOCAL SHARE				0.627E+06 \$
ANNUAL DEBT SERVICE				0.639E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.912E+04 \$/YEAR
CONTINGENCY RESERVE				0.912E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.821E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.643E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.643E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.643E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.643E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.536E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.536E+01 \$/MONTH

Run # 515

LIQUID SEWE 0

Y2010

Component # 5

Q_p = 1.33

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	344940	36083	0	0	0	0	0	0
SUB TOTAL	344940	36083	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			75886 \$					
SUB TOTAL (OTHER DIRECT)			75886 \$		TOTAL CONSTRUCTION COST		420826 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			21041 \$					
ADMIN/LEGAL			8416 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			36348 \$					
INSPECTION			8416 \$					
CONTINGENCIES			33666 \$					
TECHNICAL COSTS			8416 \$					
SUB TOTAL (INDIRECT)			116303 \$					
LAND COSTS			0 \$		(9. ACRES)			
INTEREST DURING CONSTRUCTION			71505 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST		608634 \$	TOTAL CONSTRUCTION COST		420826 \$			
FINAL YEAR O & M		0 \$/YR	TOTAL STEP III COST		572286 \$			
INITIAL YEAR O & M		0 \$/YR	PRESENT WORTH (APP. A)		559690 \$			

515
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.142E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.609E+06 \$
EPA ELIGIBLE COST				0.609E+06 \$
LOCAL SHARE				0.627E+06 \$
ANNUAL DEBT SERVICE				0.639E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.912E+04 \$/YEAR
CONTINGENCY RESERVE				0.912E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.821E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.577E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.577E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.577E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.577E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.481E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.481E+01 \$/MONTH

Run # 516
Y1990

LIQUID SEWE 0

Component #1
Qp = 1.87

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	986368	103181	0	0	0	0	0	0
SUB TOTAL	986368	103181	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 217000 \$

SUB TOTAL (OTHER DIRECT) 217000 \$

TOTAL CONSTRUCTION COST 1203368 \$

INDIRECT COSTS

MISC NON CONST COSTS 60168 \$

ADMIN/LEGAL 24067 \$

201 PLANNING 0 \$

A/E DESIGN FEE 88451 \$

INSPECTION 24067 \$

CONTINGENCIES 96269 \$

TECHNICAL COSTS 24067 \$

SUB TOTAL (INDIRECT) 317089 \$

LAND COSTS

0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 202410 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST	1722867 \$	TOTAL CONSTRUCTION COST	1203368 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1634416 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1598399 \$

#516
1990

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.307E+06
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.172E+07 \$
EPA ELIGIBLE COST		0.172E+07 \$
LOCAL SHARE		0.177E+07 \$
ANNUAL DEBT SERVICE		0.181E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.258E+05 \$/YEAR
CONTINGENCY RESERVE		0.258E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.232E+06 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.758E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.758E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.758E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.758E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.632E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.632E+01 \$/MONTH

Run # 517
 Y 2000
 Component # 6
 Qp = 2.93

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1194112	124913	0	0	0	0	0	0
SUB TOTAL	1194112	124913	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			262704 \$					
SUB TOTAL (OTHER DIRECT)			262704 \$		TOTAL CONSTRUCTION COST		1456816 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			72840 \$					
ADMIN/LEGAL			29136 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			104510 \$					
INSPECTION			29136 \$					
CONTINGENCIES			116545 \$					
TECHNICAL COSTS			29136 \$					
SUB TOTAL (INDIRECT)			381303 \$					
LAND COSTS			0 \$ (11. ACRES)					
INTEREST DURING CONSTRUCTION			244699 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			2082818 \$		TOTAL CONSTRUCTION COST		1456816 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		1978308 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		1934705 \$	

517
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.416E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.208E+07 \$
EPA ELIGIBLE COST				0.208E+07 \$
LOCAL SHARE				0.215E+07 \$
ANNUAL DEBT SERVICE				0.219E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.312E+05 \$/YEAR
CONTINGENCY RESERVE				0.312E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.281E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.675E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.675E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.675E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.675E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.563E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.563E+01 \$/MONTH

Run#518

LIQUID SEWE 0

Y 2010

Component#1

Qp=3.78

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1194112	124913	0	0	0	0	0	0
SUB TOTAL	1194112	124913	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 262704 \$

SUB TOTAL (OTHER DIRECT) 262704 \$

TOTAL CONSTRUCTION COST 1456816 \$

INDIRECT COSTS

MISC NON CONST COSTS 72840 \$

ADMIN/LEGAL 29136 \$

201 PLANNING 0 \$

A/E DESIGN FEE 104510 \$

INSPECTION 29136 \$

CONTINGENCIES 116545 \$

TECHNICAL COSTS 29136 \$

SUB TOTAL (INDIRECT) 381303 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 244699 \$ (11. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 2082818 \$ TOTAL CONSTRUCTION COST 1456816 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1978308 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1934705 \$

#518
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.482E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.208E+07 \$
EPA ELIGIBLE COST				0.208E+07 \$
LOCAL SHARE				0.215E+07 \$
ANNUAL DEBT SERVICE				0.219E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.312E+05 \$/YEAR
CONTINGENCY RESERVE				0.312E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.281E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.583E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.583E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.583E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.583E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.486E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.486E+01 \$/MONTH

Run#519
Y 1990

LIQUID SEWE 0

Component#6
Qp=0.60

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	570880	59718	0	0	0	0	0	0
SUB TOTAL	570880	59718	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	125593 \$							
SUB TOTAL (OTHER DIRECT)	125593 \$					TOTAL CONSTRUCTION COST	696473 \$	

INDIRECT COSTS

MISC NON CONST COSTS	34823 \$
ADMIN/LEGAL	13929 \$
201 PLANNING	0 \$
A/E DESIGN FEE	55060 \$
INSPECTION	13929 \$
CONTINGENCIES	55717 \$
TECHNICAL COSTS	13929 \$
SUB TOTAL (INDIRECT)	187387 \$

LAND COSTS	0 \$	(9. ACRES)
INTEREST DURING CONSTRUCTION	117663 \$	

ADMINISTRATIVE COST	0 \$/YR
LABORATORY COST	0 \$/YR

TOTAL PROJECT COST	1001523 \$	TOTAL CONSTRUCTION COST	696473 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	946463 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	925617 \$

#519
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.621E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.100E+07 \$
EPA ELIGIBLE COST				0.100E+07 \$
LOCAL SHARE				0.103E+07 \$
ANNUAL DEBT SERVICE				0.105E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.150E+05 \$/YEAR
CONTINGENCY RESERVE				0.150E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.135E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.218E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.218E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.218E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.218E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.182E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.182E+02 \$/MONTH

Run # 520
Y 2000

LIQUID SEWE 0

Component # 6
Qp = 0.73

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	570880	59718	0	0	0	0	0	0
SUB TOTAL	570880	59718	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	125593 \$							
SUB TOTAL (OTHER DIRECT)	125593 \$				TOTAL CONSTRUCTION COST	696473 \$		

INDIRECT COSTS

MISC NON CONST COSTS	34823 \$
ADMIN/LEGAL	13929 \$
201 PLANNING	0 \$
A/E DESIGN FEE	55060 \$
INSPECTION	13929 \$
CONTINGENCIES	55717 \$
TECHNICAL COSTS	13929 \$
SUB TOTAL (INDIRECT)	187387 \$

LAND COSTS	0 \$	(9. ACRES)
INTEREST DURING CONSTRUCTION	117663 \$	

ADMINISTRATIVE COST	0 \$/YR
LABORATORY COST	0 \$/YR

TOTAL PROJECT COST	1001523 \$	TOTAL CONSTRUCTION COST	696473 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	946463 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	925617 \$

520
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.767E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.100E+07 \$
EPA ELIGIBLE COST				0.100E+07 \$
LOCAL SHARE				0.103E+07 \$
ANNUAL DEBT SERVICE				0.105E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.150E+05 \$/YEAR
CONTINGENCY RESERVE				0.150E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.135E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.176E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.176E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.176E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.176E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.147E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.147E+02 \$/MONTH

Run # 521
4 2010

LIQUID SEWE 0

Component # 6
Qp = 0.86

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	570880	59718	0	0	0	0	0	0
SUB TOTAL	570880	59718	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			125593 \$					
SUB TOTAL (OTHER DIRECT)			125593 \$		TOTAL CONSTRUCTION COST		696473 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			34823 \$					
ADMIN/LEGAL			13929 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			55060 \$					
INSPECTION			13929 \$					
CONTINGENCIES			55717 \$					
TECHNICAL COSTS			13929 \$					
SUB TOTAL (INDIRECT)			187387 \$					
LAND COSTS			0 \$ (9. ACRES)					
INTEREST DURING CONSTRUCTION			117663 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			1001523 \$		TOTAL CONSTRUCTION COST		696473 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		946463 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		925617 \$	

#521
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.876E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.100E+07 \$
EPA ELIGIBLE COST				0.100E+07 \$
LOCAL SHARE				0.103E+07 \$
ANNUAL DEBT SERVICE				0.105E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.150E+05 \$/YEAR
CONTINGENCY RESERVE				0.150E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.135E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.154E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.154E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.154E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.154E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.129E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.129E+02 \$/MONTH

Run # 522
Y 1990
Component # 7
Qp = 1.27

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1166600	122035	0	0	0	0	0	0
SUB TOTAL	1166600	122035	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			256652 \$					
SUB TOTAL (OTHER DIRECT)			256652 \$		TOTAL CONSTRUCTION COST		1423252 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			71162 \$					
ADMIN/LEGAL			28465 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			102401 \$					
INSPECTION			28465 \$					
CONTINGENCIES			113860 \$					
TECHNICAL COSTS			28465 \$					
SUB TOTAL (INDIRECT)			372818 \$					
LAND COSTS			0 \$		(10. ACRES)			
INTEREST DURING CONSTRUCTION			239101 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			2035171 \$		TOTAL CONSTRUCTION COST		1423252 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		1932770 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		1890172 \$	

522
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.245E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.204E+07 \$
EPA ELIGIBLE COST				0.204E+07 \$
LOCAL SHARE				0.210E+07 \$
ANNUAL DEBT SERVICE				0.214E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.305E+05 \$/YEAR
CONTINGENCY RESERVE				0.305E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.275E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.112E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.112E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.112E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.112E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.936E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.936E+01 \$/MONTH

Run #523

LIQUID SEWE 0

Y2000

Component # 7

Qp=2.21

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1477800	154589	0	0	0	0	0	0
SUB TOTAL	1477800	154589	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			325116 \$					
SUB TOTAL (OTHER DIRECT)			325116 \$			TOTAL CONSTRUCTION COST 1802916 \$		
INDIRECT COSTS								
MISC NON CONST COSTS			90145 \$					
ADMIN/LEGAL			36058 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			125984 \$					
INSPECTION			36058 \$					
CONTINGENCIES			144233 \$					
TECHNICAL COSTS			36058 \$					
SUB TOTAL (INDIRECT)			468536 \$					
LAND COSTS			0 \$ (10. ACRES)					
INTEREST DURING CONSTRUCTION			302387 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST	2573839 \$		TOTAL CONSTRUCTION COST	1802916 \$				
FINAL YEAR O & M	0 \$/YR		TOTAL STEP III COST	2447855 \$				
INITIAL YEAR O & M	0 \$/YR		PRESENT WORTH (APP. A)	2393893 \$				

523
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.339E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.257E+07 \$
EPA ELIGIBLE COST				0.257E+07 \$
LOCAL SHARE				0.265E+07 \$
ANNUAL DEBT SERVICE				0.270E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.386E+05 \$/YEAR
CONTINGENCY RESERVE				0.386E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.347E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.102E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.102E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.102E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.102E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.853E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.853E+01 \$/MONTH

Run# 524

LIQUID SEWE 0

Y 2010

Component#7

Qp=2.92

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1789000	187143	0	0	0	0	0	0
SUB TOTAL	1789000	187143	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 393580 \$

SUB TOTAL (OTHER DIRECT) 393580 \$ TOTAL CONSTRUCTION COST 2182580 \$

INDIRECT COSTS

MISC NON CONST COSTS 109129 \$

ADMIN/LEGAL 43651 \$

201 PLANNING 0 \$

A/E DESIGN FEE 149084 \$

INSPECTION 43651 \$

CONTINGENCIES 174606 \$

TECHNICAL COSTS 43651 \$

SUB TOTAL (INDIRECT) 563772 \$

LAND COSTS 0 \$ (11. ACRES)

INTEREST DURING CONSTRUCTION 365608 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 3111960 \$ TOTAL CONSTRUCTION COST 2182580 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 2962876 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 2897551 \$

#524
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.394E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.311E+07 \$
EPA ELIGIBLE COST				0.311E+07 \$
LOCAL SHARE				0.321E+07 \$
ANNUAL DEBT SERVICE				0.326E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.466E+05 \$/YEAR
CONTINGENCY RESERVE				0.466E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.420E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.106E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.106E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.106E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.106E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.888E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.888E+01 \$/MONTH

Run # 525
 Y 1990
 Component # 9B
 Qp = 0.10

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	290904	30430	0	0	0	0	0	0
SUB TOTAL	290904	30430	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			63998 \$					
SUB TOTAL (OTHER DIRECT)			63998 \$		TOTAL CONSTRUCTION COST		354902 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			17745 \$					
ADMIN/LEGAL			7098 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			31913 \$					
INSPECTION			7098 \$					
CONTINGENCIES			28392 \$					
TECHNICAL COSTS			7098 \$					
SUB TOTAL (INDIRECT)			99344 \$					
LAND COSTS			0 \$		(9. ACRES)			
INTEREST DURING CONSTRUCTION			60471 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST		514717 \$	TOTAL CONSTRUCTION COST		354902 \$			
FINAL YEAR O & M		0 \$/YR	TOTAL STEP III COST		482804 \$			
INITIAL YEAR O & M		0 \$/YR	PRESENT WORTH (APP. A)		472181 \$			

#525
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.730E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.515E+06 \$
EPA ELIGIBLE COST				0.515E+06 \$
LOCAL SHARE				0.530E+06 \$
ANNUAL DEBT SERVICE				0.540E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.771E+04 \$/YEAR
CONTINGENCY RESERVE				0.771E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.694E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.951E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.951E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.951E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.951E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.793E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.793E+01 \$/MONTH

Run # 526
 Y 2000
 Component # 9B
 Qp = 0.12

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	290904	30430	0	0	0	0	0	0
SUB TOTAL	290904	30430	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			63998 \$					
SUB TOTAL (OTHER DIRECT)			63998 \$		TOTAL CONSTRUCTION COST		354902 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			17745 \$					
ADMIN/LEGAL			7098 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			31913 \$					
INSPECTION			7098 \$					
CONTINGENCIES			28392 \$					
TECHNICAL COSTS			7098 \$					
SUB TOTAL (INDIRECT)			99344 \$					
LAND COSTS			0 \$		(9. ACRES)			
INTEREST DURING CONSTRUCTION			60471 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			514717 \$		TOTAL CONSTRUCTION COST		354902 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		482804 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		472181 \$	

#526
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.128E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.515E+06 \$
EPA ELIGIBLE COST				0.515E+06 \$
LOCAL SHARE				0.530E+06 \$
ANNUAL DEBT SERVICE				0.540E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.771E+04 \$/YEAR
CONTINGENCY RESERVE				0.771E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.694E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.543E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.543E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.543E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.543E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.453E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.453E+01 \$/MONTH

Run # 527
Y 2010

LIQUID SEWE 0

Component # 9B
Qp = 0.14

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	290904	30430	0	0	0	0	0	0
SUB TOTAL	290904	30430	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	63998 \$							
SUB TOTAL (OTHER DIRECT)	63998 \$				TOTAL CONSTRUCTION COST	354902 \$		

INDIRECT COSTS

MISC NON CONST COSTS	17745 \$
ADMIN/LEGAL	7098 \$
201 PLANNING	0 \$
A/E DESIGN FEE	31913 \$
INSPECTION	7098 \$
CONTINGENCIES	28392 \$
TECHNICAL COSTS	7098 \$
SUB TOTAL (INDIRECT)	99344 \$

LAND COSTS	0 \$	(9. ACRES)
INTEREST DURING CONSTRUCTION	60471 \$	

ADMINISTRATIVE COST	0 \$/YR
LABORATORY COST	0 \$/YR

TOTAL PROJECT COST	514717 \$	TOTAL CONSTRUCTION COST	354902 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	482804 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	472181 \$

527
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.153E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.515E+06 \$
EPA ELIGIBLE COST				0.515E+06 \$
LOCAL SHARE				0.530E+06 \$
ANNUAL DEBT SERVICE				0.540E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.771E+04 \$/YEAR
CONTINGENCY RESERVE				0.771E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.694E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.453E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.453E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.453E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.453E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.378E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.378E+01 \$/MONTH

***** Run # 528

LIQUID SEWE 0

Y 1990

***** Component #10

Qp=0.35

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1051520	109997	0	0	0	0	0	0
SUB TOTAL	1051520	109997	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 231334 \$

SUB TOTAL (OTHER DIRECT) 231334 \$

TOTAL CONSTRUCTION COST 1282854 \$

INDIRECT COSTS

MISC NON CONST COSTS 64142 \$

ADMIN/LEGAL 25657 \$

201 PLANNING 0 \$

A/E DESIGN FEE 93523 \$

INSPECTION 25657 \$

CONTINGENCIES 102628 \$

TECHNICAL COSTS 25657 \$

SUB TOTAL (INDIRECT) 337264 \$

LAND COSTS

0 \$ (9. ACRES)

INTEREST DURING CONSTRUCTION 215678 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST 1835796 \$ TOTAL CONSTRUCTION COST 1282854 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1742273 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1703877 \$

#528
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.475E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.184E+07 \$
EPA ELIGIBLE COST				0.184E+07 \$
LOCAL SHARE				0.189E+07 \$
ANNUAL DEBT SERVICE				0.193E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.275E+05 \$/YEAR
CONTINGENCY RESERVE				0.275E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.248E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.522E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.522E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.522E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.522E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.435E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.435E+02 \$/MONTH

***** Run # 529
 Y 2000
 ***** Component #10
 Qp = 1.02

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1893120	198035	0	0	0	0	0	0
SUB TOTAL	1893120	198035	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	416486 \$							
SUB TOTAL (OTHER DIRECT)	416486 \$				TOTAL CONSTRUCTION COST	2309606 \$		

INDIRECT COSTS

MISC NON CONST COSTS	115480 \$
ADMIN/LEGAL	46192 \$
201 PLANNING	0 \$
A/E DESIGN FEE	156726 \$
INSPECTION	46192 \$
CONTINGENCIES	184768 \$
TECHNICAL COSTS	46192 \$
SUB TOTAL (INDIRECT)	595550 \$

LAND COSTS	0 \$	(9. ACRES)
INTEREST DURING CONSTRUCTION	386748 \$	

ADMINISTRATIVE COST	0 \$/YR
LABORATORY COST	0 \$/YR

TOTAL PROJECT COST	3291904 \$	TOTAL CONSTRUCTION COST	2309606 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	3135178 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	3066051 \$

#529
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.113E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.329E+07 \$
EPA ELIGIBLE COST				0.329E+07 \$
LOCAL SHARE				0.339E+07 \$
ANNUAL DEBT SERVICE				0.345E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.493E+05 \$/YEAR
CONTINGENCY RESERVE				0.493E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.444E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.392E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.392E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.392E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.392E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.327E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.327E+02 \$/MONTH

Run # 530

LIQUID SEWE 0

Y 2010

Component #1C

Qp=2.02

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	2903360	303714	0	0	0	0	0	0
SUB TOTAL	2903360	303714	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 638739 \$

SUB TOTAL (OTHER DIRECT) 638739 \$

TOTAL CONSTRUCTION COST 3542099 \$

INDIRECT COSTS

MISC NON CONST COSTS 177104 \$

ADMIN/LEGAL 70841 \$

201 PLANNING 0 \$

A/E DESIGN FEE 229287 \$

INSPECTION 70841 \$

CONTINGENCIES 283367 \$

TECHNICAL COSTS 70841 \$

SUB TOTAL (INDIRECT) 902281 \$

LAND COSTS

0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 591658 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST 5036038 \$ TOTAL CONSTRUCTION COST 3542099 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 4806751 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 4700736 \$

#530
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.226E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.504E+07 \$
EPA ELIGIBLE COST				0.504E+07 \$
LOCAL SHARE				0.519E+07 \$
ANNUAL DEBT SERVICE				0.528E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.755E+05 \$/YEAR
CONTINGENCY RESERVE				0.755E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.679E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.300E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.300E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.300E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.300E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.250E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.250E+02 \$/MONTH

Run # 531
Y 1990

LIQUID SEWE 0

Component #1
Op = 0.21

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	283200	29624	0	0	0	0	0	0
SUB TOTAL	283200	29624	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	62304 \$							
SUB TOTAL (OTHER DIRECT)	62304 \$							TOTAL CONSTRUCTION COST 345504 \$

INDIRECT COSTS

MISC NON CONST COSTS	17275 \$
ADMIN/LEGAL	6910 \$
201 PLANNING	0 \$
A/E DESIGN FEE	31261 \$
INSPECTION	6910 \$
CONTINGENCIES	27640 \$
TECHNICAL COSTS	6910 \$
SUB TOTAL (INDIRECT)	96906 \$

LAND COSTS	0 \$	(9. ACRES)
INTEREST DURING CONSTRUCTION	58895 \$	

ADMINISTRATIVE COST	0 \$/YR
LABORATORY COST	0 \$/YR

TOTAL PROJECT COST	501305 \$	TOTAL CONSTRUCTION COST	345504 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	470044 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	459703 \$

#531
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.146E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.501E+06 \$
EPA ELIGIBLE COST				0.501E+06 \$
LOCAL SHARE				0.516E+06 \$
ANNUAL DEBT SERVICE				0.526E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.751E+04 \$/YEAR
CONTINGENCY RESERVE				0.751E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.676E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.463E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.463E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.463E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.463E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.386E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.386E+02 \$/MONTH

Run#532

LIQUID SEWE 0

Y2000

Component#12

Qp=249

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	950160	99394	0	0	0	0	0	0
SUB TOTAL	950160	99394	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 209035 \$

SUB TOTAL (OTHER DIRECT) 209035 \$

TOTAL CONSTRUCTION COST 1159195 \$

INDIRECT COSTS

MISC NON CONST COSTS 57959 \$

ADMIN/LEGAL 23183 \$

201 PLANNING 0 \$

A/E DESIGN FEE 85617 \$

INSPECTION 23183 \$

CONTINGENCIES 92735 \$

TECHNICAL COSTS 23183 \$

SUB TOTAL (INDIRECT) 305860 \$

LAND COSTS 0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 195035 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1660090 \$ TOTAL CONSTRUCTION COST 1159195 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1574473 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1539778 \$

#532
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.215E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.166E+07 \$
EPA ELIGIBLE COST				0.166E+07 \$
LOCAL SHARE				0.171E+07 \$
ANNUAL DEBT SERVICE				0.174E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.249E+05 \$/YEAR
CONTINGENCY RESERVE				0.249E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.224E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.104E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.104E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.104E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.104E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.867E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.867E+01 \$/MONTH

Run # 533

LIQUID SEWE 0

Y 2010

Component #12

Qp = 3.02

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	950160	99394	0	0	0	0	0	0
SUB TOTAL	950160	99394	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 209035 \$

SUB TOTAL (OTHER DIRECT) 209035 \$

TOTAL CONSTRUCTION COST 1159195 \$

INDIRECT COSTS

MISC NON CONST COSTS 57959 \$

ADMIN/LEGAL 23183 \$

201 PLANNING 0 \$

A/E DESIGN FEE 85617 \$

INSPECTION 23183 \$

CONTINGENCIES 92735 \$

TECHNICAL COSTS 23183 \$

SUB TOTAL (INDIRECT) 305860 \$

LAND COSTS

0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 195035 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST 1660090 \$ TOTAL CONSTRUCTION COST 1159195 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1574473 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1539778 \$

#533
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.256E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.166E+07 \$
EPA ELIGIBLE COST				0.166E+07 \$
LOCAL SHARE				0.171E+07 \$
ANNUAL DEBT SERVICE				0.174E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.249E+05 \$/YEAR
CONTINGENCY RESERVE				0.249E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.224E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.876E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.876E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.876E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.876E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.731E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.731E+01 \$/MONTH

 LIQUID SEWE 0

 Run # 534
 Y 1990
 Component # 14
 Qp = 0.80

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	289680	30302	0	0	0	0	0	0
SUB TOTAL	289680	30302	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			63729 \$					
SUB TOTAL (OTHER DIRECT)			63729 \$		TOTAL CONSTRUCTION COST		353409 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			17670 \$					
ADMIN/LEGAL			7068 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			31810 \$					
INSPECTION			7068 \$					
CONTINGENCIES			28272 \$					
TECHNICAL COSTS			7068 \$					
SUB TOTAL (INDIRECT)			98956 \$					
LAND COSTS			0 \$		(9. ACRES)			
INTEREST DURING CONSTRUCTION			60221 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			512586 \$		TOTAL CONSTRUCTION COST		353409 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		480776 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		470198 \$	

#534
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.584E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.513E+06 \$
EPA ELIGIBLE COST				0.513E+06 \$
LOCAL SHARE				0.528E+06 \$
ANNUAL DEBT SERVICE				0.538E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.768E+04 \$/YEAR
CONTINGENCY RESERVE				0.768E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.691E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.118E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.118E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.118E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.118E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.987E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.987E+01 \$/MONTH

Run# 535

LIQUID SEWE 0

Y 2000

Component #1

Qp = 0.93

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	395100	41330	0	0	0	0	0	0
SUB TOTAL	395100	41330	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			86922 \$					
SUB TOTAL (OTHER DIRECT)			86922 \$		TOTAL CONSTRUCTION COST		482022 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			24101 \$					
ADMIN/LEGAL			9640 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			40271 \$					
INSPECTION			9640 \$					
CONTINGENCIES			38561 \$					
TECHNICAL COSTS			9640 \$					
SUB TOTAL (INDIRECT)			131853 \$					
LAND COSTS			0 \$ (9. ACRES)					
INTEREST DURING CONSTRUCTION			81722 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			695597 \$		TOTAL CONSTRUCTION COST		482022 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		655326 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		640899 \$	

#535
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.803E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.696E+06 \$
EPA ELIGIBLE COST				0.696E+06 \$
LOCAL SHARE				0.716E+06 \$
ANNUAL DEBT SERVICE				0.730E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.104E+05 \$/YEAR
CONTINGENCY RESERVE				0.104E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.938E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.117E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.117E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.117E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.117E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.974E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.974E+01 \$/MONTH

Run #536

LIQUID SEWE 0

Y 2010

Component #14

Qp = 2.03

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	500460	52352	0	0	0	0	0	0
SUB TOTAL	500460	52352	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			110101 \$					
SUB TOTAL (OTHER DIRECT)			110101 \$		TOTAL CONSTRUCTION COST		610561 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			30528 \$					
ADMIN/LEGAL			12211 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			49153 \$					
INSPECTION			12211 \$					
CONTINGENCIES			48844 \$					
TECHNICAL COSTS			12211 \$					
SUB TOTAL (INDIRECT)			165158 \$					
LAND COSTS			0 \$		(9. ACRES)			
INTEREST DURING CONSTRUCTION			103267 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST			878986 \$		TOTAL CONSTRUCTION COST		610561 \$	
FINAL YEAR O & M			0 \$/YR		TOTAL STEP III COST		829833 \$	
INITIAL YEAR O & M			0 \$/YR		PRESENT WORTH (APP. A)		811558 \$	

536
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.168E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.879E+06 \$
EPA ELIGIBLE COST				0.879E+06 \$
LOCAL SHARE				0.905E+06 \$
ANNUAL DEBT SERVICE				0.922E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.132E+05 \$/YEAR
CONTINGENCY RESERVE				0.132E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.119E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.706E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.706E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.706E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.706E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.589E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.589E+01 \$/MONTH

Run #537

LIQUID SEWE 0

Y 1990

Component #1

Qp = 0.25

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	775600	81133	0	0	0	0	0	0
SUB TOTAL	775600	81133	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 170632 \$

SUB TOTAL (OTHER DIRECT) 170632 \$ TOTAL CONSTRUCTION COST 946232 \$

INDIRECT COSTS

MISC NON CONST COSTS 47311 \$

ADMIN/LEGAL 18924 \$

201 PLANNING 0 \$

A/E DESIGN FEE 71774 \$

INSPECTION 18924 \$

CONTINGENCIES 75698 \$

TECHNICAL COSTS 18924 \$

SUB TOTAL (INDIRECT) 251555 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 159455 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	1357242 \$	TOTAL CONSTRUCTION COST	946232 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1285468 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1257147 \$

#537
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.219E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.136E+07 \$
EPA ELIGIBLE COST				0.136E+07 \$
LOCAL SHARE				0.140E+07 \$
ANNUAL DEBT SERVICE				0.142E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.203E+05 \$/YEAR
CONTINGENCY RESERVE				0.203E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.183E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.836E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.836E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.836E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.836E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.697E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.697E+02 \$/MONTH

Run # 538

LIQUID SEWE 0

Y 2000

Component #1

Qp = 0.28

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	775600	81133	0	0	0	0	0	0
SUB TOTAL	775600	81133	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 170632 \$

SUB TOTAL (OTHER DIRECT) 170632 \$ TOTAL CONSTRUCTION COST 946232 \$

INDIRECT COSTS

MISC NON CONST COSTS 47311 \$
 ADMIN/LEGAL 18924 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 71774 \$
 INSPECTION 18924 \$
 CONTINGENCIES 75698 \$
 TECHNICAL COSTS 18924 \$

SUB TOTAL (INDIRECT) 251555 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 159455 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1357242 \$ TOTAL CONSTRUCTION COST 946232 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1285468 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1257147 \$

538
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.219E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.136E+07 \$
EPA ELIGIBLE COST				0.136E+07 \$
LOCAL SHARE				0.140E+07 \$
ANNUAL DEBT SERVICE				0.142E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.203E+05 \$/YEAR
CONTINGENCY RESERVE				0.203E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.183E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.836E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.836E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.836E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.836E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.697E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.697E+02 \$/MONTH

Run# 539

LIQUID SEWE 0

Y 2010

Component#17

Qp=0.37

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	775600	81133	0	0	0	0	0	0
SUB TOTAL	775600	81133	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	170632 \$							
SUB TOTAL (OTHER DIRECT)	170632 \$					TOTAL CONSTRUCTION COST	946232 \$	

INDIRECT COSTS

MISC NON CONST COSTS	47311 \$
ADMIN/LEGAL	18924 \$
201 PLANNING	0 \$
A/E DESIGN FEE	71774 \$
INSPECTION	18924 \$
CONTINGENCIES	75698 \$
TECHNICAL COSTS	18924 \$
SUB TOTAL (INDIRECT)	251555 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 159455 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	1357242 \$	TOTAL CONSTRUCTION COST	946232 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1285468 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1257147 \$

#539

USER CHARGE SUMMARY

2010

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.292E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.136E+07 \$
EPA ELIGIBLE COST				0.136E+07 \$
LOCAL SHARE				0.140E+07 \$
ANNUAL DEBT SERVICE				0.142E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.203E+05 \$/YEAR
CONTINGENCY RESERVE				0.203E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.183E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.627E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.627E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.627E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.627E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.523E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.523E+02 \$/MONTH

 ***** Run # 540

LIQUID SEWE 0 Y 1990

 ***** Component #18

Qp = 1.57

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1133000	118520	0	0	0	0	0	0
SUB TOTAL	1133000	118520	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	249260 \$							
SUB TOTAL (OTHER DIRECT)	249260 \$							TOTAL CONSTRUCTION COST 1382260 \$

INDIRECT COSTS

MISC NON CONST COSTS	69113 \$
ADMIN/LEGAL	27645 \$
201 PLANNING	0 \$
A/E DESIGN FEE	99819 \$
INSPECTION	27645 \$
CONTINGENCIES	110580 \$
TECHNICAL COSTS	27645 \$
SUB TOTAL (INDIRECT)	362447 \$

LAND COSTS 0 \$ (9. ACRES)
 INTEREST DURING CONSTRUCTION 232264 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	1976971 \$	TOTAL CONSTRUCTION COST	1382260 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1877152 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1835781 \$

#540
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.157E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.198E+07 \$
EPA ELIGIBLE COST				0.198E+07 \$
LOCAL SHARE				0.204E+07 \$
ANNUAL DEBT SERVICE				0.207E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.296E+05 \$/YEAR
CONTINGENCY RESERVE				0.296E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.267E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.170E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.170E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.170E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.170E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.142E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.142E+02 \$/MONTH

Run # 541

LIQUID SEWE 0

Y2000

Component # 18

Qp = 5-41

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1737600	181766	0	0	0	0	0	0
SUB TOTAL	1737600	181766	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	382272 \$							
SUB TOTAL (OTHER DIRECT)	382272 \$							TOTAL CONSTRUCTION COST 2119872 \$

INDIRECT COSTS

MISC NON CONST COSTS	105993 \$
ADMIN/LEGAL	42397 \$
201 PLANNING	0 \$
A/E DESIGN FEE	145296 \$
INSPECTION	42397 \$
CONTINGENCIES	169589 \$
TECHNICAL COSTS	42397 \$
SUB TOTAL (INDIRECT)	548069 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 355169 \$ (11. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	3023110 \$	TOTAL CONSTRUCTION COST	2119872 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	2877814 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	2814366 \$

541
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.540E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.302E+07 \$
EPA ELIGIBLE COST				0.302E+07 \$
LOCAL SHARE				0.311E+07 \$
ANNUAL DEBT SERVICE				0.317E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.453E+05 \$/YEAR
CONTINGENCY RESERVE				0.453E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.408E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.755E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.755E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.755E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.755E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.630E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.630E+01 \$/MONTH

Run#542
Y 2010

LIQUID SEWE 0

Component #18
Qp = 8.77

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	2342200	245012	0	0	0	0	0	0
SUB TOTAL	2342200	245012	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	515284 \$							
SUB TOTAL (OTHER DIRECT)	515284 \$					TOTAL CONSTRUCTION COST	2857484 \$	

INDIRECT COSTS

MISC NON CONST COSTS	142874 \$
ADMIN/LEGAL	57149 \$
201 PLANNING	0 \$
A/E DESIGN FEE	189294 \$
INSPECTION	57149 \$
CONTINGENCIES	228598 \$
TECHNICAL COSTS	57149 \$
SUB TOTAL (INDIRECT)	732213 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 477878 \$ (13. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	4067575 \$	TOTAL CONSTRUCTION COST	2857484 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	3878281 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	3792756 \$

#542
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.865E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.407E+07 \$
EPA ELIGIBLE COST				0.407E+07 \$
LOCAL SHARE				0.419E+07 \$
ANNUAL DEBT SERVICE				0.427E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.610E+05 \$/YEAR
CONTINGENCY RESERVE				0.610E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.549E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.634E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.634E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.634E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.634E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.529E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.529E+01 \$/MONTH

Run #543

Y 1990

LIQUID SEWE 0

Component #18

Qp = 0.59

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	629200	65819	0	0	0	0	0	0
SUB TOTAL	629200	65819	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 138424 \$

SUB TOTAL (OTHER DIRECT) 138424 \$ TOTAL CONSTRUCTION COST 767624 \$

INDIRECT COSTS

MISC NON CONST COSTS 38381 \$
 ADMIN/LEGAL 15352 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 59885 \$
 INSPECTION 15352 \$
 CONTINGENCIES 61409 \$
 TECHNICAL COSTS 15352 \$

SUB TOTAL (INDIRECT) 205731 \$

LAND COSTS 0 \$ (9. ACRES)

INTEREST DURING CONSTRUCTION 129577 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1102932 \$ TOTAL CONSTRUCTION COST 767624 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1043047 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1020072 \$

#543

1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.876E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.110E+07 \$
EPA ELIGIBLE COST				0.110E+07 \$
LOCAL SHARE				0.114E+07 \$
ANNUAL DEBT SERVICE				0.116E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.165E+05 \$/YEAR
CONTINGENCY RESERVE				0.165E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.149E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.170E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.170E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.170E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.170E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.142E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.142E+02 \$/MONTH

Run # 544
Y 2000

LIQUID SEWE 0

Component # 13

Qp = 2.08

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1133000	118520	0	0	0	0	0	0
SUB TOTAL	1133000	118520	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 249260 \$

SUB TOTAL (OTHER DIRECT) 249260 \$

TOTAL CONSTRUCTION COST 1382260 \$

INDIRECT COSTS

MISC NON CONST COSTS 69113 \$

ADMIN/LEGAL 27645 \$

201 PLANNING 0 \$

A/E DESIGN FEE 99819 \$

INSPECTION 27645 \$

CONTINGENCIES 110580 \$

TECHNICAL COSTS 27645 \$

SUB TOTAL (INDIRECT) 362447 \$

LAND COSTS

0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 232264 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST 1976971 \$ TOTAL CONSTRUCTION COST 1382260 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1877152 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1835781 \$

#544
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.245E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.198E+07 \$
EPA ELIGIBLE COST				0.198E+07 \$
LOCAL SHARE				0.204E+07 \$
ANNUAL DEBT SERVICE				0.207E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.296E+05 \$/YEAR
CONTINGENCY RESERVE				0.296E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.267E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.109E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.109E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.109E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.109E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.909E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.909E+01 \$/MONTH

Run #545
4 2010

LIQUID SEWE 0

Component #13
Qp = 3.93

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	1737600	181766	0	0	0	0	0	0
SUB TOTAL	1737600	181766	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	382272 \$							
SUB TOTAL (OTHER DIRECT)	382272 \$						TOTAL CONSTRUCTION COST	2119872 \$

INDIRECT COSTS

MISC NON CONST COSTS	105993 \$
ADMIN/LEGAL	42397 \$
201 PLANNING	0 \$
A/E DESIGN FEE	145296 \$
INSPECTION	42397 \$
CONTINGENCIES	169589 \$
TECHNICAL COSTS	42397 \$
SUB TOTAL (INDIRECT)	548069 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 355169 \$ (11. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	3023110 \$	TOTAL CONSTRUCTION COST	2119872 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	2877814 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	2814366 \$

#545
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.442E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.302E+07 \$
EPA ELIGIBLE COST				0.302E+07 \$
LOCAL SHARE				0.311E+07 \$
ANNUAL DEBT SERVICE				0.317E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.453E+05 \$/YEAR
CONTINGENCY RESERVE				0.453E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.408E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.923E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.923E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.923E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.923E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.770E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.770E+01 \$/MONTH

Run # 546
Y 1990

LIQUID SEWE 0

Component # 19
Qp = 0.82

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	415400	43454	0	0	0	0	0	0
SUB TOTAL	415400	43454	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 91388 \$

SUB TOTAL (OTHER DIRECT) 91388 \$

TOTAL CONSTRUCTION COST 506788 \$

INDIRECT COSTS

MISC NON CONST COSTS 25339 \$
 ADMIN/LEGAL 10135 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 41875 \$
 INSPECTION 10135 \$
 CONTINGENCIES 40543 \$
 TECHNICAL COSTS 10135 \$

SUB TOTAL (INDIRECT) 138162 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 85858 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	730808 \$	TOTAL CONSTRUCTION COST	506788 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	688933 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	673764 \$

#546
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.730E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.731E+06 \$
EPA ELIGIBLE COST				0.731E+06 \$
LOCAL SHARE				0.753E+06 \$
ANNUAL DEBT SERVICE				0.767E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.110E+05 \$/YEAR
CONTINGENCY RESERVE				0.110E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.986E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.135E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.135E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.135E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.135E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.113E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.113E+02 \$/MONTH

Run #547

LIQUID SEWE 0

Y2000

Component #19

Qp = 1.0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	415400	43454	0	0	0	0	0	0
SUB TOTAL	415400	43454	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 91388 \$

SUB TOTAL (OTHER DIRECT) 91388 \$

TOTAL CONSTRUCTION COST 506788 \$

INDIRECT COSTS

MISC NON CONST COSTS 25339 \$
 ADMIN/LEGAL 10135 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 41875 \$
 INSPECTION 10135 \$
 CONTINGENCIES 40543 \$
 TECHNICAL COSTS 10135 \$

SUB TOTAL (INDIRECT) 138162 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 85858 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	730808 \$	TOTAL CONSTRUCTION COST	506788 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	688933 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	673764 \$

#547
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.110E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.731E+06 \$
EPA ELIGIBLE COST				0.731E+06 \$
LOCAL SHARE				0.753E+06 \$
ANNUAL DEBT SERVICE				0.767E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.110E+05 \$/YEAR
CONTINGENCY RESERVE				0.110E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.986E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.900E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.900E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.900E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.900E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.751E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.751E+01 \$/MONTH

LIQUID SEWE 0

Run# 54

Y 2010

Component #19

Qp = 1.19

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	415400	43454	0	0	0	0	0	0
SUB TOTAL	415400	43454	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 91388 \$

SUB TOTAL (OTHER DIRECT) 91388 \$

TOTAL CONSTRUCTION COST 506788 \$

INDIRECT COSTS

MISC NON CONST COSTS 25339 \$
 ADMIN/LEGAL 10135 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 41875 \$
 INSPECTION 10135 \$
 CONTINGENCIES 40543 \$
 TECHNICAL COSTS 10135 \$

SUB TOTAL (INDIRECT) 138162 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 85858 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	730808 \$	TOTAL CONSTRUCTION COST	506788 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	688933 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	673764 \$

#548
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.142E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.731E+06 \$
EPA ELIGIBLE COST				0.731E+06 \$
LOCAL SHARE				0.753E+06 \$
ANNUAL DEBT SERVICE				0.767E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.110E+05 \$/YEAR
CONTINGENCY RESERVE				0.110E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.986E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.692E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.692E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.692E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.692E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.578E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.578E+01 \$/MONTH

Run #549
Y 1990

LIQUID SEWE 0

Component #20
Qp = 0.82

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	706180	73872	0	0	0	0	0	0
SUB TOTAL	706180	73872	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 155359 \$

SUB TOTAL (OTHER DIRECT) 155359 \$ TOTAL CONSTRUCTION COST 861539 \$

INDIRECT COSTS

MISC NON CONST COSTS 43076 \$
 ADMIN/LEGAL 17230 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 66173 \$
 INSPECTION 17230 \$
 CONTINGENCIES 68923 \$
 TECHNICAL COSTS 17230 \$

SUB TOTAL (INDIRECT) 229862 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 145292 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1236693 \$ TOTAL CONSTRUCTION COST 861539 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1170520 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1144734 \$

#549
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.730E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.124E+07 \$
EPA ELIGIBLE COST				0.124E+07 \$
LOCAL SHARE				0.127E+07 \$
ANNUAL DEBT SERVICE				0.130E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.185E+05 \$/YEAR
CONTINGENCY RESERVE				0.185E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.167E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.229E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.229E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.229E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.229E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.191E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.191E+02 \$/MONTH

Run # 550
Y 2000

LIQUID SEWE 0

Component # 20
Qp = 1.0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	706180	73872	0	0	0	0	0	0
SUB TOTAL	706180	73872	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD	155359 \$
SUB TOTAL (OTHER DIRECT)	155359 \$
TOTAL CONSTRUCTION COST	861539 \$

INDIRECT COSTS

MISC NON CONST COSTS	43076 \$
ADMIN/LEGAL	17230 \$
201 PLANNING	0 \$
A/E DESIGN FEE	66173 \$
INSPECTION	17230 \$
CONTINGENCIES	68923 \$
TECHNICAL COSTS	17230 \$
SUB TOTAL (INDIRECT)	229862 \$

LAND COSTS 0 \$ (9. ACRES)
INTEREST DURING CONSTRUCTION 145292 \$

ADMINISTRATIVE COST 0 \$/YR
LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	1236693 \$	TOTAL CONSTRUCTION COST	861539 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1170520 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1144734 \$

#550
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.110E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.124E+07 \$
EPA ELIGIBLE COST				0.124E+07 \$
LOCAL SHARE				0.127E+07 \$
ANNUAL DEBT SERVICE				0.130E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.185E+05 \$/YEAR
CONTINGENCY RESERVE				0.185E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.167E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.152E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.152E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.152E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.152E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.127E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.127E+02 \$/MONTH

Run # 551

LIQUID SEWE 0

Y 2010

Component #20

Qp = 1.19

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	706180	73872	0	0	0	0	0	0
SUB TOTAL	706180	73872	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 155359 \$

SUB TOTAL (OTHER DIRECT) 155359 \$

TOTAL CONSTRUCTION COST 861539 \$

INDIRECT COSTS

MISC NON CONST COSTS 43076 \$
 ADMIN/LEGAL 17230 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 66173 \$
 INSPECTION 17230 \$
 CONTINGENCIES 68923 \$
 TECHNICAL COSTS 17230 \$

SUB TOTAL (INDIRECT) 229862 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 145292 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	1236693 \$	TOTAL CONSTRUCTION COST	861539 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1170520 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1144734 \$

#551
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.142E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.124E+07 \$
EPA ELIGIBLE COST				0.124E+07 \$
LOCAL SHARE				0.127E+07 \$
ANNUAL DEBT SERVICE				0.130E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.185E+05 \$/YEAR
CONTINGENCY RESERVE				0.185E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.167E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.117E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.117E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.117E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.117E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.977E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.977E+01 \$/MONTH

GRAVITY LINE NUMBER 21, YEAR 1990, 3B,3C,2E ANALYZE 1 TRAIN NO 1

Run # 552
Y 1990

LIQUID SEWE 0

Component # 21
Qp = 2.39

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	435504	45557	0	0	0	0	0	0
SUB TOTAL	435504	45557	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 95810 \$

SUB TOTAL (OTHER DIRECT) 95810 \$ TOTAL CONSTRUCTION COST 531314 \$

INDIRECT COSTS

MISC NON CONST COSTS 26565 \$
 ADMIN/LEGAL 10626 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 43611 \$
 INSPECTION 10626 \$
 CONTINGENCIES 42505 \$
 TECHNICAL COSTS 10626 \$

SUB TOTAL (INDIRECT) 144559 \$

LAND COSTS 0 \$ (10. ACRES)
 INTEREST DURING CONSTRUCTION 89975 \$

ADMINISTRATIVE COST 0 \$/YR
 LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 765848 \$ TOTAL CONSTRUCTION COST 531314 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 722237 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 706334 \$

#552
1990

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.230E+06
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.766E+06 \$
EPA ELIGIBLE COST		0.766E+06 \$
LOCAL SHARE		0.789E+06 \$
ANNUAL DEBT SERVICE		0.803E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.115E+05 \$/YEAR
CONTINGENCY RESERVE		0.115E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.103E+06 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.449E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.449E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.449E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.449E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.375E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.375E+01 \$/MONTH

Run# 553
Y2000

LIQUID SEWE 0

Component #21
Qp=6.41

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	662736	69327	0	0	0	0	0	0
SUB TOTAL	662736	69327	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 145801 \$

SUB TOTAL (OTHER DIRECT) 145801 \$

TOTAL CONSTRUCTION COST 808537 \$

INDIRECT COSTS

MISC NON CONST COSTS 40426 \$
 ADMIN/LEGAL 16170 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 62635 \$
 INSPECTION 16170 \$
 CONTINGENCIES 64682 \$
 TECHNICAL COSTS 16170 \$

SUB TOTAL (INDIRECT) 216253 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 136425 \$ (12. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1161215 \$ TOTAL CONSTRUCTION COST 808537 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1098580 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1074380 \$

553
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.650E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.116E+07 \$
EPA ELIGIBLE COST				0.116E+07 \$
LOCAL SHARE				0.120E+07 \$
ANNUAL DEBT SERVICE				0.122E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.174E+05 \$/YEAR
CONTINGENCY RESERVE				0.174E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.157E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.241E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.241E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.241E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.241E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.201E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.201E+01 \$/MONTH

Run #554

LIQUID SEWE 0

Y2010

Component #21

Qp=9.96

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	814272	85179	0	0	0	0	0	0
SUB TOTAL	814272	85179	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 179139 \$

SUB TOTAL (OTHER DIRECT) 179139 \$ TOTAL CONSTRUCTION COST 993411 \$

INDIRECT COSTS

MISC NON CONST COSTS 49670 \$
 ADMIN/LEGAL 19868 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 74869 \$
 INSPECTION 19868 \$
 CONTINGENCIES 79472 \$
 TECHNICAL COSTS 19868 \$

SUB TOTAL (INDIRECT) 263615 \$

LAND COSTS 0 \$ (13. ACRES)

INTEREST DURING CONSTRUCTION 167341 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1424367 \$ TOTAL CONSTRUCTION COST 993411 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1349498 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1319765 \$

#554
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.101E+07
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.142E+07 \$
EPA ELIGIBLE COST				0.142E+07 \$
LOCAL SHARE				0.147E+07 \$
ANNUAL DEBT SERVICE				0.149E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.213E+05 \$/YEAR
CONTINGENCY RESERVE				0.213E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.192E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.191E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.191E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.191E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.191E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.159E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.159E+01 \$/MONTH

Run #555
Y 1990

LIQUID SEWE 0

Component #21
Qp = 1.40

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	359712	37628	0	0	0	0	0	0
SUB TOTAL	359712	37628	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 79136 \$

SUB TOTAL (OTHER DIRECT) 79136 \$ TOTAL CONSTRUCTION COST 438848 \$

INDIRECT COSTS

MISC NON CONST COSTS 21942 \$
 ADMIN/LEGAL 8776 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 37521 \$
 INSPECTION 8776 \$
 CONTINGENCIES 35107 \$
 TECHNICAL COSTS 8776 \$

SUB TOTAL (INDIRECT) 120898 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 74516 \$ (9. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 634262 \$ TOTAL CONSTRUCTION COST 438848 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 596741 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 583606 \$

#555

USER CHARGE SUMMARY

Y 1990

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.157E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.634E+06 \$
EPA ELIGIBLE COST				0.634E+06 \$
LOCAL SHARE				0.653E+06 \$
ANNUAL DEBT SERVICE				0.665E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.951E+04 \$/YEAR
CONTINGENCY RESERVE				0.951E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.856E+05 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.545E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.545E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.545E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.545E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.455E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.455E+01 \$/MONTH

Run #556
Y2000

LIQUID SEWE 0

Component #21
Qp=3.07

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	511248	53480	0	0	0	0	0	0
SUB TOTAL	511248	53480	0	0	0	0	0	0

DIRECT COSTS
PROFIT/OVERHEAD

112474 \$

SUB TOTAL (OTHER DIRECT)

112474 \$

TOTAL CONSTRUCTION COST

623722 \$

INDIRECT COSTS

MISC NON CONST COSTS	31186 \$
ADMIN/LEGAL	12474 \$
201 PLANNING	0 \$
A/E DESIGN FEE	50064 \$
INSPECTION	12474 \$
CONTINGENCIES	49897 \$
TECHNICAL COSTS	12474 \$

SUB TOTAL (INDIRECT)

168569 \$

LAND COSTS

0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION

105473 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST

897764 \$

TOTAL CONSTRUCTION COST

623722 \$

FINAL YEAR O & M

0 \$/YR

TOTAL STEP III COST

847700 \$

INITIAL YEAR O & M

0 \$/YR

PRESENT WORTH (APP. A)

829032 \$

556
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.350E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.898E+06 \$
EPA ELIGIBLE COST				0.898E+06 \$
LOCAL SHARE				0.925E+06 \$
ANNUAL DEBT SERVICE				0.942E+05 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.135E+05 \$/YEAR
CONTINGENCY RESERVE				0.135E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.121E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.346E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.346E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.346E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.346E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.288E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.288E+01 \$/MONTH

Run #557

Y 2010

LIQUID SEWE 0

Component #21

Qp = 5.11

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	586992	61404	0	0	0	0	0	0
SUB TOTAL	586992	61404	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			129138	\$				
SUB TOTAL (OTHER DIRECT)			129138	\$	TOTAL CONSTRUCTION COST	716130 \$		
INDIRECT COSTS								
MISC NON CONST COSTS			35806	\$				
ADMIN/LEGAL			14322	\$				
201 PLANNING			0	\$				
A/E DESIGN FEE			56399	\$				
INSPECTION			14322	\$				
CONTINGENCIES			57290	\$				
TECHNICAL COSTS			14322	\$				
SUB TOTAL (INDIRECT)			192461	\$				
LAND COSTS			0	\$	(12. ACRES)			
INTEREST DURING CONSTRUCTION			120956	\$				
ADMINISTRATIVE COST			0	\$/YR				
LABORATORY COST			0	\$/YR				
TOTAL PROJECT COST	1029547	\$	TOTAL CONSTRUCTION COST	716130 \$				
FINAL YEAR O & M	0	\$/YR	TOTAL STEP III COST	973148 \$				
INITIAL YEAR O & M	0	\$/YR	PRESENT WORTH (APP. A)	951714 \$				

557
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.584E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.103E+07 \$
EPA ELIGIBLE COST				0.103E+07 \$
LOCAL SHARE				0.106E+07 \$
ANNUAL DEBT SERVICE				0.108E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.154E+05 \$/YEAR
CONTINGENCY RESERVE				0.154E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.139E+06 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.238E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.238E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.238E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.238E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.198E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.198E+01 \$/MONTH

Run # 558

LIQUID SEWE 0

Component #3

Qp = 2.55
Y 1990

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	838640	87728	0	0	0	0	0	0
SUB TOTAL	838640	87728	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 184500 \$

SUB TOTAL (OTHER DIRECT) 184500 \$

TOTAL CONSTRUCTION COST 1023140 \$

INDIRECT COSTS

MISC NON CONST COSTS 51157 \$

ADMIN/LEGAL 20462 \$

201 PLANNING 0 \$

A/E DESIGN FEE 76810 \$

INSPECTION 20462 \$

CONTINGENCIES 81851 \$

TECHNICAL COSTS 20462 \$

SUB TOTAL (INDIRECT) 271204 \$

LAND COSTS

0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 172309 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST 1466653 \$ TOTAL CONSTRUCTION COST 1023140 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1389843 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1359220 \$

558
1990

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.299E+06
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.147E+07 \$
EPA ELIGIBLE COST		0.147E+07 \$
LOCAL SHARE		0.151E+07 \$
ANNUAL DEBT SERVICE		0.154E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.220E+05 \$/YEAR
CONTINGENCY RESERVE		0.220E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.198E+06 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.662E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.662E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.662E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.662E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.552E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.552E+01 \$/MONTH

Run # 550

LIQUID SEWE 0

Y 2000

Component # 3

Qp = 293

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	984480	102984	0	0	0	0	0	0
SUB TOTAL	984480	102984	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 216585 \$

SUB TOTAL (OTHER DIRECT) 216585 \$

TOTAL CONSTRUCTION COST 1201065 \$

INDIRECT COSTS

- MISC NON CONST COSTS 60053 \$
- ADMIN/LEGAL 24021 \$
- 201 PLANNING 0 \$
- A/E DESIGN FEE 88304 \$
- INSPECTION 24021 \$
- CONTINGENCIES 96085 \$
- TECHNICAL COSTS 24021 \$

SUB TOTAL (INDIRECT) 316505 \$

LAND COSTS

INTEREST DURING CONSTRUCTION 202026 \$ (11. ACRES)

ADMINISTRATIVE COST

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST	1719596 \$	TOTAL CONSTRUCTION COST	1201065 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	1631292 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	1595344 \$

#559
2000

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.434E+06
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.172E+07 \$
EPA ELIGIBLE COST		0.172E+07 \$
LOCAL SHARE		0.177E+07 \$
ANNUAL DEBT SERVICE		0.180E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.258E+05 \$/YEAR
CONTINGENCY RESERVE		0.258E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.232E+06 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.534E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.534E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.534E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.534E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.445E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.445E+01 \$/MONTH

Run # 560

LIQUID SEWE 0

Year 2010

Component # 3

Qp = 3.48

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	984480	102984	0	0	0	0	0	0
SUB TOTAL	984480	102984	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 216585 \$

SUB TOTAL (OTHER DIRECT) 216585 \$ TOTAL CONSTRUCTION COST 1201065 \$

INDIRECT COSTS

MISC NON CONST COSTS 60053 \$

ADMIN/LEGAL 24021 \$

201 PLANNING 0 \$

A/E DESIGN FEE 88304 \$

INSPECTION 24021 \$

CONTINGENCIES 96085 \$

TECHNICAL COSTS 24021 \$

SUB TOTAL (INDIRECT) 316505 \$

LAND COSTS 0 \$ (12. ACRES)

INTEREST DURING CONSTRUCTION 202026 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 1719596 \$ TOTAL CONSTRUCTION COST 1201065 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 1631292 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 1595344 \$

#560
Y2010

USER CHARGE SUMMARY

I EPA GRANT		0.000E+00 PERCENT
D STATE GRANT		0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING		0.300E+01 PERCENT
BONDS	PERCENT RATE LIFE	
I REVENUE	100.00 8.00 20	
D GENERAL OBLIGATION	0.00 0.00 30	
D OTHER	0.00 0.00 30	
D NUMBER OF BILLING UNITS		0.615E+06
D EXISTING SEWER RATE		0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD		0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)		0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST		0.000E+00 \$/YEAR
TOTAL PROJECT COST		0.172E+07 \$
EPA ELIGIBLE COST		0.172E+07 \$
LOCAL SHARE		0.177E+07 \$
ANNUAL DEBT SERVICE		0.180E+06 \$/YEAR
PRINCIPAL AND INTEREST RESERVE		0.258E+05 \$/YEAR
CONTINGENCY RESERVE		0.258E+05 \$/YEAR
TOTAL ANNUAL OPERATING COST		0.232E+06 \$/YEAR
TREATMENT COST		
COST PER 1000 GALLONS TREATED (NEW SYSTEM)		0.377E+00 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)		0.377E+00 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)		0.377E+00 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)		0.377E+00 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)		0.315E+01 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)		0.315E+01 \$/MONTH

 ***** Run #601
 On-site Distribution System
 General 1 Home

LIQUID SEWE 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	4650	504	0	0	0	0	0	0
SUB TOTAL	4650	504	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			0 \$					
SUB TOTAL (OTHER DIRECT)			0 \$		TOTAL CONSTRUCTION COST		4650 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			0 \$					
ADMIN/LEGAL			0 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			540 \$					
INSPECTION			0 \$					
CONTINGENCIES			0 \$					
TECHNICAL COSTS			0 \$					
SUB TOTAL (INDIRECT)			540 \$					
LAND COSTS			0 \$ (15. ACRES)					
INTEREST DURING CONSTRUCTION			690 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST		5880 \$	TOTAL CONSTRUCTION COST		4650 \$			
FINAL YEAR O & M		0 \$/YR	TOTAL STEP III COST		5340 \$			
INITIAL YEAR O & M		0 \$/YR	PRESENT WORTH (APP. A)		5340 \$			

Final cost per home per month for internal collection system was determined to be \$45 by direct input of capital cost of \$4,650 at 10% interest for 30 years amortization rate and period.

Run #601

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	10.00	30	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.101E+03
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.588E+04 \$
EPA ELIGIBLE COST				0.588E+04 \$
LOCAL SHARE				0.606E+04 \$
ANNUAL DEBT SERVICE				0.642E+03 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.918E+02 \$/YEAR
CONTINGENCY RESERVE				0.918E+02 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.826E+03 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.814E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.814E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.814E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.814E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.679E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.679E+02 \$/MONTH

Run #602
Y 1990

LIQUID SEWE 0

Camp Swift
Internal Distrib. Sys.

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	9850400	1069481	0	0	0	0	0	0
SUB TOTAL	9850400	1069481	0	0	0	0	0	0

DIRECT COSTS
PROFIT/OVERHEAD

0 \$

SUB TOTAL (OTHER DIRECT)

0 \$

TOTAL CONSTRUCTION COST 9850400 \$

INDIRECT COSTS
MISC NON CONST COSTS
ADMIN/LEGAL
201 PLANNING
A/E DESIGN FEE
INSPECTION
CONTINGENCIES
TECHNICAL COSTS

0 \$
0 \$
0 \$
582214 \$
0 \$
0 \$
0 \$

SUB TOTAL (INDIRECT)

582214 \$

LAND COSTS
INTEREST DURING CONSTRUCTION

0 \$ (10. ACRES)
1388841 \$

ADMINISTRATIVE COST
LABORATORY COST

0 \$/YR
0 \$/YR

TOTAL PROJECT COST	11821455 \$	TOTAL CONSTRUCTION COST	9850400 \$
FINAL YEAR O & M	0 \$/YR	TOTAL STEP III COST	11239241 \$
INITIAL YEAR O & M	0 \$/YR	PRESENT WORTH (APP. A)	11239241 \$

602
Y1990

NEW YORK STATE SEWERAGE AND WASTEWATER TREATMENT SYSTEM, 1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.244E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.118E+08 \$
EPA ELIGIBLE COST				0.118E+08 \$
LOCAL SHARE				0.122E+08 \$
ANNUAL DEBT SERVICE				0.124E+07 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.177E+06 \$/YEAR
CONTINGENCY RESERVE				0.177E+06 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.159E+07 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.654E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.654E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.654E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.654E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.545E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.545E+02 \$/MONTH

Run #603
Y2000

LIQUID SEWE 0

Camp Swift
Int. Distrib. Sys.

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	9850400	1069481	0	0	0	0	0	0
SUB TOTAL	9850400	1069481	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 0 \$

SUB TOTAL (OTHER DIRECT) 0 \$ TOTAL CONSTRUCTION COST 9850400 \$

INDIRECT COSTS

MISC NON CONST COSTS 0 \$
 ADMIN/LEGAL 0 \$
 201 PLANNING 0 \$
 A/E DESIGN FEE 582214 \$
 INSPECTION 0 \$
 CONTINGENCIES 0 \$
 TECHNICAL COSTS 0 \$

SUB TOTAL (INDIRECT) 582214 \$

LAND COSTS 0 \$ (10. ACRES)

INTEREST DURING CONSTRUCTION 1388841 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 11821455 \$ TOTAL CONSTRUCTION COST 9850400 \$
 FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 11239241 \$
 INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 11239241 \$

#603
Y2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.338E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.118E+08 \$
EPA ELIGIBLE COST				0.118E+08 \$
LOCAL SHARE				0.122E+08 \$
ANNUAL DEBT SERVICE				0.124E+07 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.177E+06 \$/YEAR
CONTINGENCY RESERVE				0.177E+06 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.159E+07 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.472E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.472E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.472E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.472E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.394E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.394E+02 \$/MONTH

Run#604
Y2010

LIQUID SEWE 0

Camp Swift
Int. Distrib. Sys

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	9850400	1069481	0	0	0	0	0	0
SUB TOTAL	9850400	1069481	0	0	0	0	0	0

DIRECT COSTS
PROFIT/OVERHEAD 0 \$

SUB TOTAL (OTHER DIRECT) 0 \$ TOTAL CONSTRUCTION COST 9850400 \$

INDIRECT COSTS

MISC NON CONST COSTS 0 \$

ADMIN/LEGAL 0 \$

201 PLANNING 0 \$

A/E DESIGN FEE 582214 \$

INSPECTION 0 \$

CONTINGENCIES 0 \$

TECHNICAL COSTS 0 \$

SUB TOTAL (INDIRECT) 582214 \$

LAND COSTS 0 \$ (11. ACRES)

INTEREST DURING CONSTRUCTION 1388841 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 11821455 \$ TOTAL CONSTRUCTION COST 9850400 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 11239241 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 11239241 \$

#604
Y2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.394E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.118E+08 \$
EPA ELIGIBLE COST				0.118E+08 \$
LOCAL SHARE				0.122E+08 \$
ANNUAL DEBT SERVICE				0.124E+07 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.177E+06 \$/YEAR
CONTINGENCY RESERVE				0.177E+06 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.159E+07 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.404E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.404E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.404E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.404E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.337E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.337E+02 \$/MONTH

Run #605
Y 1990

LIQUID SEWE 0

Tahitian Village
Internal Distrib Sys

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	9131700	991450	0	0	0	0	0	0
SUB TOTAL	9131700	991450	0	0	0	0	0	0

DIRECT COSTS

PROFIT/OVERHEAD 0 \$

SUB TOTAL (OTHER DIRECT) 0 \$ TOTAL CONSTRUCTION COST 9131700 \$

INDIRECT COSTS

MISC NON CONST COSTS 0 \$

ADMIN/LEGAL 0 \$

201 PLANNING 0 \$

A/E DESIGN FEE 542723 \$

INSPECTION 0 \$

CONTINGENCIES 0 \$

TECHNICAL COSTS 0 \$

SUB TOTAL (INDIRECT) 542723 \$

LAND COSTS 0 \$ (9. ACRES)

INTEREST DURING CONSTRUCTION 1287907 \$

ADMINISTRATIVE COST 0 \$/YR

LABORATORY COST 0 \$/YR

TOTAL PROJECT COST 10962330 \$ TOTAL CONSTRUCTION COST 9131700 \$

FINAL YEAR O & M 0 \$/YR TOTAL STEP III COST 10419607 \$

INITIAL YEAR O & M 0 \$/YR PRESENT WORTH (APP. A) 10419607 \$

#605
1990

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.639E+05
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.110E+08 \$
EPA ELIGIBLE COST				0.110E+08 \$
LOCAL SHARE				0.113E+08 \$
ANNUAL DEBT SERVICE				0.115E+07 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.164E+06 \$/YEAR
CONTINGENCY RESERVE				0.164E+06 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.148E+07 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.231E+02 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.231E+02 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.231E+02 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.231E+02 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.193E+03 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.193E+03 \$/MONTH

Run #606
Y2000

LIQUID SEWE 0

Tahitian Village
Intern. Distrib. Sys

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	9131700	991450	0	0	0	0	0	0
SUB TOTAL	9131700	991450	0	0	0	0	0	0

DIRECT COSTS
PROFIT/OVERHEAD

0 \$

SUB TOTAL (OTHER DIRECT)

0 \$

TOTAL CONSTRUCTION COST 9131700 \$

INDIRECT COSTS
 MISC NON CONST COSTS
 ADMIN/LEGAL
 201 PLANNING
 A/E DESIGN FEE
 INSPECTION
 CONTINGENCIES
 TECHNICAL COSTS

0 \$
 0 \$
 0 \$
 542723 \$
 0 \$
 0 \$
 0 \$

SUB TOTAL (INDIRECT)

542723 \$

LAND COSTS

0 \$

(9. ACRES)

INTEREST DURING CONSTRUCTION

1287907 \$

ADMINISTRATIVE COST

0 \$/YR

LABORATORY COST

0 \$/YR

TOTAL PROJECT COST 10962330 \$
 FINAL YEAR O & M 0 \$/YR
 INITIAL YEAR O & M 0 \$/YR

TOTAL CONSTRUCTION COST 9131700 \$
 TOTAL STEP III COST 10419607 \$
 PRESENT WORTH (APP. A) 10419607 \$

#606
2000

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.147E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.110E+08 \$
EPA ELIGIBLE COST				0.110E+08 \$
LOCAL SHARE				0.113E+08 \$
ANNUAL DEBT SERVICE				0.115E+07 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.164E+06 \$/YEAR
CONTINGENCY RESERVE				0.164E+06 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.148E+07 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.101E+02 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.101E+02 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.101E+02 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.101E+02 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.839E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.839E+02 \$/MONTH

 LIQUID SEWE 0

*Run # 607
 Y 2010
 Tahitian Village
 Intern. Distrib. Sys*

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEWERS	9131700	991450	0	0	0	0	0	0
SUB TOTAL	9131700	991450	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			0 \$					
SUB TOTAL (OTHER DIRECT)			0 \$		TOTAL CONSTRUCTION COST		9131700 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			0 \$					
ADMIN/LEGAL			0 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			542723 \$					
INSPECTION			0 \$					
CONTINGENCIES			0 \$					
TECHNICAL COSTS			0 \$					
SUB TOTAL (INDIRECT)			542723 \$					
LAND COSTS			0 \$ (10. ACRES)					
INTEREST DURING CONSTRUCTION			1287907 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST 10962330 \$			TOTAL CONSTRUCTION COST			9131700 \$		
FINAL YEAR O & M 0 \$/YR			TOTAL STEP III COST			10419607 \$		
INITIAL YEAR O & M 0 \$/YR			PRESENT WORTH (APP. A)			10419607 \$		

#607
2010

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.276E+06
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.110E+08 \$
EPA ELIGIBLE COST				0.110E+08 \$
LOCAL SHARE				0.113E+08 \$
ANNUAL DEBT SERVICE				0.115E+07 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.164E+06 \$/YEAR
CONTINGENCY RESERVE				0.164E+06 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.148E+07 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.535E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.535E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.535E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.535E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.446E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.446E+02 \$/MONTH

SEPTIC TANK SYSTEM FOR 1 3-BEDROOM HOUSE, D ANALYZE 1 TRAIN NO 1

 LIQUID SEPT 0

*Runs # 611 & 612
 Septic Tank System
 1 Home*

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEP TANK	5500	852	0	0	0	0	0	0
SUB TOTAL	5500	852	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			1210 \$					
SUB TOTAL (OTHER DIRECT)			1210 \$		TOTAL CONSTRUCTION COST		6710 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			0 \$					
ADMIN/LEGAL			134 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			780 \$					
INSPECTION			134 \$					
CONTINGENCIES			0 \$					
TECHNICAL COSTS			0 \$					
SUB TOTAL (INDIRECT)			1048 \$					
LAND COSTS			180 \$		(15. ACRES)			
INTEREST DURING CONSTRUCTION			35 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST		7973 \$	TOTAL CONSTRUCTION COST		6710 \$			
FINAL YEAR O & M		0 \$/YR	TOTAL STEP III COST		7193 \$			
INITIAL YEAR O & M		0 \$/YR	PRESENT WORTH (APP. A)		7089 \$			

Final base cost per home per month of \$65 for septic system without maintenance district was obtained by direct input of a capital cost of \$5,500 without consideration of indirect costs or contingencies.

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.101E+03
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.797E+04 \$
EPA ELIGIBLE COST				0.779E+04 \$
LOCAL SHARE				0.821E+04 \$
ANNUAL DEBT SERVICE				0.836E+03 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.119E+03 \$/YEAR
CONTINGENCY RESERVE				0.119E+03 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.107E+04 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.106E+02 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.106E+02 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.106E+02 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.106E+02 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.883E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.883E+02 \$/MONTH

*Run #616
Cluster System
10 Homes*

LIQUID SEPT 0

COST SUMMARY

UNIT	CAPITAL COST \$	AMMORT COST \$/YR	OPER LABOR COST \$/YR	MAINT LABOR COST \$/YR	POWER COST \$/YR	MATERIAL COST \$/YR	CHEMICAL COST \$/YR	TOTAL O & M COST \$/YR
SEP TANK	46000	7128	0	0	0	0	0	0
SUB TOTAL	46000	7128	0	0	0	0	0	0
DIRECT COSTS								
PROFIT/OVERHEAD			10120 \$					
SUB TOTAL (OTHER DIRECT)			10120 \$		TOTAL CONSTRUCTION COST		56120 \$	
INDIRECT COSTS								
MISC NON CONST COSTS			0 \$					
ADMIN/LEGAL			1122 \$					
201 PLANNING			0 \$					
A/E DESIGN FEE			6526 \$					
INSPECTION			1122 \$					
CONTINGENCIES			0 \$					
TECHNICAL COSTS			0 \$					
SUB TOTAL (INDIRECT)			8770 \$					
LAND COSTS			1799 \$		(11. ACRES)			
INTEREST DURING CONSTRUCTION			295 \$					
ADMINISTRATIVE COST			0 \$/YR					
LABORATORY COST			0 \$/YR					
TOTAL PROJECT COST		66984 \$	TOTAL CONSTRUCTION COST		56120 \$			
FINAL YEAR O & M		0 \$/YR	TOTAL STEP III COST		60458 \$			
INITIAL YEAR O & M		0 \$/YR	PRESENT WORTH (APP. A)		59424 \$			

Final base cost per home per month of \$51 for cluster septic system without maintenance district was obtained by direct input of a capital cost of \$46,000 without consideration of indirect costs or contingencies.

USER CHARGE SUMMARY

I EPA GRANT				0.000E+00 PERCENT
D STATE GRANT				0.000E+00 PERCENT
D ALLOWANCE FOR FINANCING				0.300E+01 PERCENT
BONDS	PERCENT	RATE	LIFE	
I REVENUE	100.00	8.00	20	
D GENERAL OBLIGATION	0.00	0.00	30	
D OTHER	0.00	0.00	30	
D NUMBER OF BILLING UNITS				0.101E+04
D EXISTING SEWER RATE				0.000E+00 \$/TGAL
I PERSONS PER HOUSEHOLD				0.278E+01
D GALLONS/CAPITA/DAY (WATER USE)				0.100E+03 GPCPD
D CURRENT ANNUAL O & M COST				0.000E+00 \$/YEAR
TOTAL PROJECT COST				0.670E+05 \$
EPA ELIGIBLE COST				0.652E+05 \$
LOCAL SHARE				0.689E+05 \$
ANNUAL DEBT SERVICE				0.702E+04 \$/YEAR
PRINCIPAL AND INTEREST RESERVE				0.100E+04 \$/YEAR
CONTINGENCY RESERVE				0.100E+04 \$/YEAR
TOTAL ANNUAL OPERATING COST				0.903E+04 \$/YEAR
TREATMENT COST				
COST PER 1000 GALLONS TREATED (NEW SYSTEM)				0.890E+01 \$/TGAL
COST PER 1000 GALLONS TREATED (TOTAL SYSTEM)				0.890E+01 \$/TGAL
COST PER BILLING UNIT (NEW SYSTEM)				0.890E+01 \$/TGAL
COST PER BILLING UNIT (TOTAL SYSTEM)				0.890E+01 \$/TGAL
COST PER HOUSEHOLD (NEW SYSTEM)				0.742E+02 \$/MONTH
COST PER HOUSEHOLD (TOTAL SYSTEM)				0.742E+02 \$/MONTH
