#### ANNUAL REPORT

for

OPERATION OF WASTEWATER TREATMENT PLANTS

OPERATION & MAINTENANCE OF WASTEWATER COLLECTION SYSTEMS

WATER TREATMENT PLANT OPERATION

WATER SUPPLY SYSTEMS OPERATION

Administered and Monitored by

FOUNDATION OF CALIFORNIA STATE UNIVERSITY, SACRAMENTO

DEPARTMENT OF CIVIL ENGINEERING

KENNETH D. KERRI, PROGRAM DIRECTOR

For the

U. S. ENVIRONMENTAL PROTECTION AGENCY

January 1985

#### ANNUAL REPORT

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# OPERATION OF WASTEWATER TREATMENT PLANTS OPERATION AND MAINTENANCE OF WASTEWATER COLLECTION SYSTEMS WATER TREATMENT PLANT OPERATION WATER SUPPLY SYSTEMS OPERATION

The purpose of this report is to provide a summary of the accomplishments of each program on an annual basis since its inception. All programs are operating on a financially self-sustaining basis.

#### OPERATION OF WASTEWATER TREATMENT PLANTS (First Edition)

<u>Year</u>	Manuals <u>Sold</u>	Successful completion	Dropped	Percent Completing	CEX12
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981	8063 5747 6523 4543 3992 3280 3232 3180 2444 1093	571 1569 1144 804 676 570 789 881 745 1028	128 1490 1717 655 1052 248 310 191 431 239	82 51 40 55 39 70 72 82 63 81	614 389 289 164 119 166 141 103 109 <u>55</u>
TOTALS:	41,100	8777	4124*	68	2149

Colleges and Universities: 301 Foreign Countries: 32

\*From 1979 on and total, only persons who actually started course and did not finish were counted as drops.

### OPERATION OF WASTEWATER TREATMENT PLANTS (Second Edition)

#### VOLUME I

Manuals Sold	Successful completion	Dropped	Total Percent Completing	CEX-12 A,B,C				
1190 3960 3976 2963 3347	411 731 655 2087	8 181 184 <u>171</u>	98 80 78 <u>92</u>	19 127 98 76 <u>66</u>				
15,436	3884	544	88	386				
VOLUME II								
715 3023 3575 2438 2219	182 309 381 <u>872</u> 1744	18 33 <u>35</u> 86	94 92 <u>96</u> 95	4 47 45 39 <u>29</u> 164				
VOLUME III								
428 2422 1898 1437 1537	140 213 217 <u>430</u>	35 33 <u>24</u>	86 87 <u>95</u>	1 58 25 30 12				
7722	1000	92	92	126				
GRAND TOTAL:								
35,128	6628	722	90	676				
	Sold  1190 3960 3976 2963 3347  15,436  II  715 3023 3575 2438 2219  11,970  III  428 2422 1898 1437 1537 7722	Sold         completion           1190         3960         411           3976         731         2963         655           3347         2087         15,436         3884           III           715         3023         182         3575         309         2438         381         2219         872         11,970         1744         III         428         2422         140         1898         213         1437         217         1537         430         7722         1000         OTAL:         OTAL:         OTAL:         0.00	Sold         completion         Dropped           1190         3960         411         8           3976         731         181         2963         655         184           3347         2087         171         15,436         3884         544           III           715         3023         182         3575         309         18         2438         381         33         2219         872         35         11,970         1744         86         III         428         2422         140         1898         213         35         1437         217         33         1537         430         24         7722         1000         92         OTAL:         OTAL:         0TAL:         0T	Manuals Sold         Successful completion         Dropped         Percent Completing           1190         3960         411         8         98           3976         731         181         80           2963         655         184         78           3347         2087         171         92           15,436         3884         544         88           III           715           3023         182         3375         309         18         94           2438         381         33         92         22           2219         872         35         96           11,970         1744         86         95           III           428           2422         140         1898         213         35         86           1437         217         33         87         1537         430         24         95           OTAL:         20TAL:         1000         92         92         92				

Colleges and Universities: 133

Foreign countries: 20

## OPRATION AND MAINTENANCE OF WASTEWATER COLLECTION SYSTEMS (First Edition)

Year	Manuals <u>Sold</u>	Successful Completion	Dropped	Percent Completing	CEX11
1976 1977 1978 1979 1980 1981 1982	966 1093 759 633 645 680 601	3 281 246 179 226 218 265	8 70 83 53 37 42	97 78 68 81 85 86	7 77 46 34 37 46 23
TOTALS:	5377	1418	292	83	263

# SECOND EDITION 25 0 100

Colleges and universities: 85

Foreign countries: 12