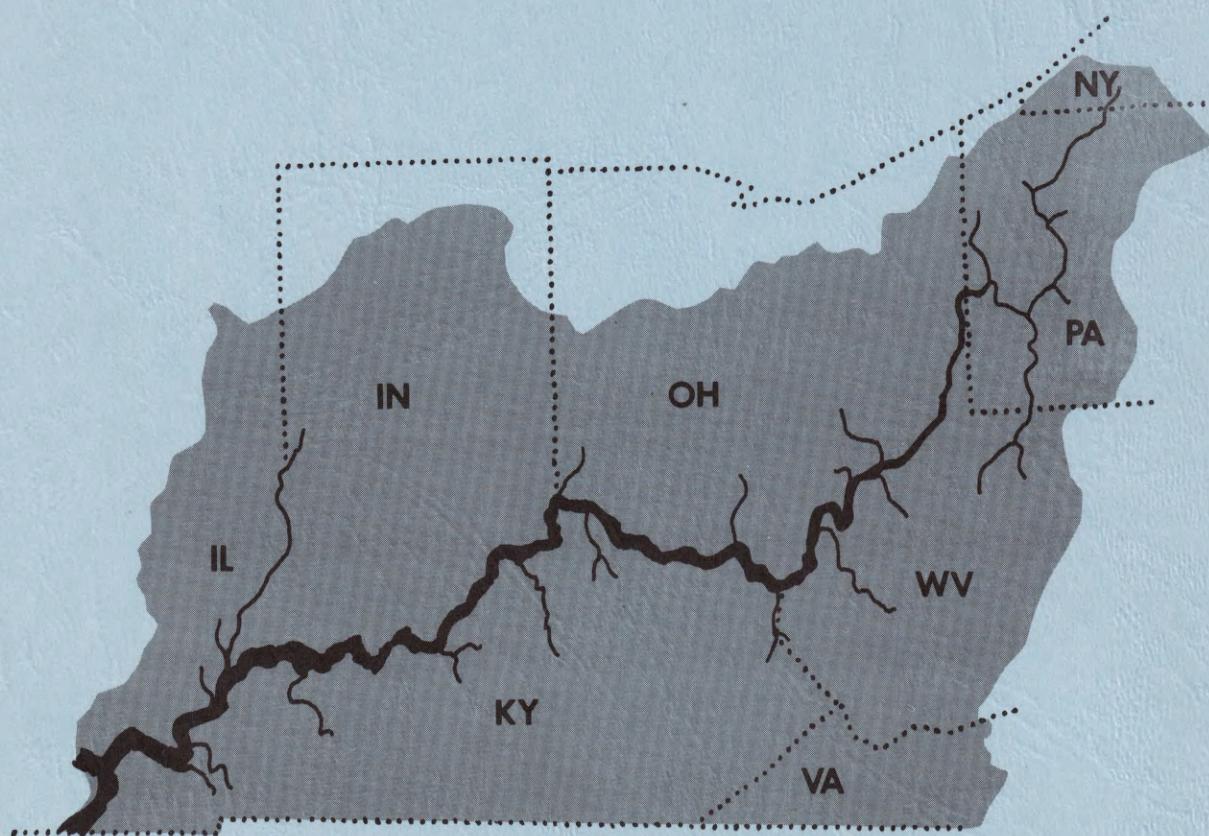


1985 Status of Wastewater Facilities



**Ohio River Valley
Water Sanitation Commission**

**REGULATORY AGENCIES OF THE
SIGNATORY STATES**

ILLINOIS

Division of Water Pollution Control
Environmental Protection Agency
2200 Churchill Road
Springfield, Illinois 62706

OHIO

Office of Wastewater Pollution Control
Environmental Protection Agency
Post Office Box 1049
Columbus, Ohio 43266-0149

INDIANA

Indiana Department of Environmental
Management
311 W. Washington Street, Room 319
Indianapolis, Indiana 46204

PENNSYLVANIA

Bureau of Water Quality Management
Department of Environmental Resources
Post Office Box 2063
Harrisburg, Pennsylvania 17120

KENTUCKY

Division of Water Quality
Natural Resources and
Environmental Protection Cabinet
18 Reilly Road
Fort Boone Plaza
Frankfort, Kentucky 40601

VIRGINIA

State Water Control Board
Post Office Box 11143
Richmond, Virginia 23230

NEW YORK

Division of Water
Department of Environmental
Conservation
50 Wolf Road
Albany, New York 12233

WEST VIRGINIA

Department of Water Resources
Department of Natural Resources
1201 Greenbrier Street
Charleston, West Virginia 25311

STATUS OF WASTEWATER FACILITIES
IN THE
OHIO RIVER VALLEY WATER SANITATION
COMPACT DISTRICT

1985 Update

Ohio River Valley Water Sanitation Commission
49 East Fourth Street, Suite 815
Cincinnati, Ohio 45202

March, 1986

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APPENDIX A

1. Instructional Guide and Coding Key Definitions
2. Detail Data Report Form

APPENDIX B

1. Survey Data Summaries by State
2. Survey Data Summaries by River Basin

I. SUMMARY

This report presents the results of a 1985 survey of the status of municipal and industrial wastewater treatment facilities located in the Ohio River Valley Water Sanitation Compact District. The objective of this survey is to provide an inventory and assessment of facilities, including treatment levels according to physical process units, needs for improvements and status of related construction projects. Additional data have been collected for municipal facilities on the status of pretreatment program development where required. Detailed summaries and analyses of the data are also provided according to state. In addition comparisons are made to similar data obtained in 1980 and 1983.

A total of 1,573 municipal and 612 industrial treatment facilities, existing and proposed, were surveyed. In general, the data indicate continuing progress in the completion of municipal projects, particularly with respect to completion of advanced wastewater treatment plants. However, 42 percent of the existing municipal plants surveyed need major improvements as of 1985.

The special survey identified 212 municipal facilities which are required to have pretreatment programs. Seventy-seven (77) percent of these facilities have an approved program and 12 percent are in final preparation or awaiting state and federal review.

A categorization of survey data according to river sub-basin indicates that the Wabash River Sub-basin, the Ohio River Minor Tributaries Sub-basin and the Ohio River main stem are the sub-basins with the greatest number of municipal plants, while the Ohio River main stem and Wabash River Sub-basin receive flow from more industrial facilities than any other sub-basin.

The following are the observations and conclusions revealed by the 1985 Wastewater Facilities Status Survey and a comparative analysis of similar data for 1983 and 1980.

9. Approximately 12 percent of the existing and proposed municipal wastewater treatment facilities in the compact district are required to have industrial pretreatment programs.
10. The 212 required programs will serve 64 percent of the Compact District population served by central treatment facilities, 9 million people.
11. Seventy-seven (77) percent of the municipal facilities which must develop a pretreatment program have secured program approval.

The following observations and conclusions resulted from comparative data summaries by river sub-basin.

12. The Wabash River Sub-basin is the sub-basin with the largest number of municipal wastewater treatment plants (311). The Ohio River's Minor Tributaries Sub-basin (185) and the Ohio River main stem (129) are second and third respectively.
13. The Ohio River main stem and Wabash River Sub-basin have the greatest number of industrial wastewater treatment plants, 120 each. Of those plants 39 have needs.

II. INTRODUCTION, BACKGROUND AND SCOPE

This report presents the results of a 1985 survey of the status of wastewater treatment plants conducted by the Ohio River Valley Water Sanitation Commission (ORSANCO). The wastewater facilities status survey was first undertaken by the Commission in 1951. It serves to fulfill the following objectives:

1. Provide a determination of the extent to which the member states are meeting their expressed commitment to each other; that is, ". . . faithful cooperation in the control of future pollution in and abatement of existing pollution from rivers, streams and water in the Ohio River Basin..."

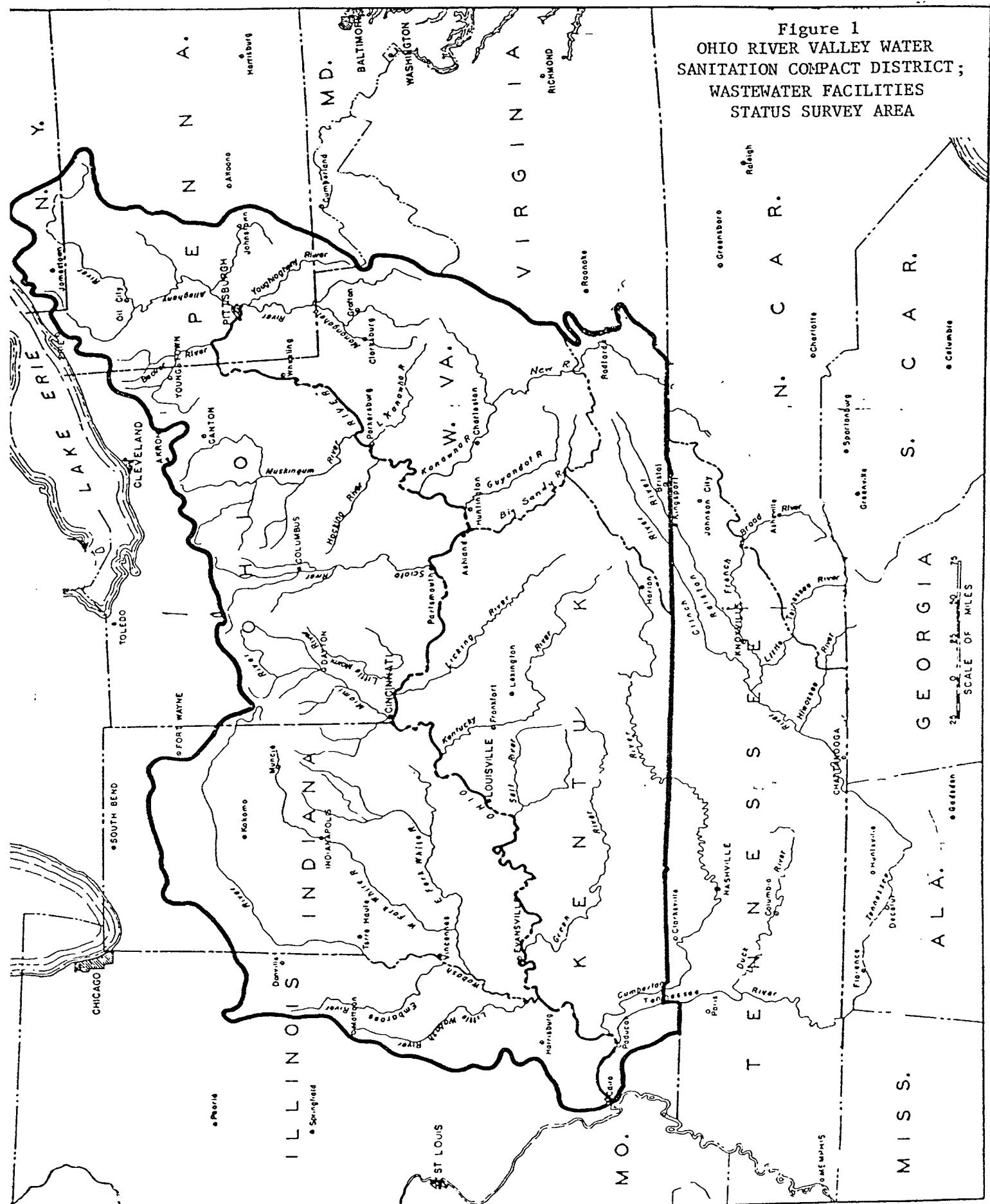


Figure 1
OHIO RIVER VALLEY WATER
SANITATION COMPACT DISTRICT;
WASTEWATER FACILITIES
STATUS SURVEY AREA

| <u>State</u> | <u>Field Office (District)</u> | <u>Method of Update</u> |
|--------------|--------------------------------|-------------------------|
| IL | Champaign (central) | Staff visit |
| | Marion (south) | Mail |
| IN | Indianapolis (home office) | Staff visit, mail |
| KY | Bowling Green | Mail |
| | Columbia | Mail |
| | Florence | Staff visit |
| | Frankfort | Staff visit |
| | Hazard | Staff visit |
| | London | Staff visit |
| | Madisonville | Staff visit |
| | Morehead | Staff visit |
| | Paducah | Staff visit |
| NY | Albany (home office) | Mail |
| OH | Bowling Green (northwest) | Staff visit |
| | Columbus (central) | Staff visit |
| | Dayton (southwest) | Staff visit |
| | Logan (southeast) | Staff visit |
| | Twinsburg (northeast) | Staff visit |
| PA | Meadville | Staff visit |
| | Pittsburgh | Staff visit |
| VA | Abingdon | Staff visit |
| | Roanoke | Staff visit |
| WV | Charleston (home office) | Staff visit |

At the completion of the field survey portion of the study, the data was encoded and summary reports were generated.

Table 1

**Summary of Levels of Physical Treatment Units
Provided by Existing Municipal Facilities, 1985**

| <u>Level of Treatment</u> | <u>Number</u> | <u>Percentage of Total</u> | <u>Population*</u> | <u>Percentage of Total</u> |
|---------------------------|---------------|--------------------------------|--------------------|--------------------------------|
| Less than Secondary** | 152 | 10 | 0.86 | 6 |
| Secondary | 1,045 | 66 | 9.98 | 71 |
| Advanced | <u>376</u> | 24 | <u>3.17</u> | 23 |
| Total | 1,573 | | 14.01 | |

* in millions

** Those facilities without physical units designed for secondary level treatment as defined by U.S. EPA.

Table 3

**Summary of Levels of Physical Treatment Units
Provided by Existing Municipal Facilities and Population Served
Listed by River Basin (1985)**

| <u>River Basin</u> | <u>Less Than Secondary (Population)</u> | <u>Secondary (Population)</u> | <u>Advanced (Population)</u> |
|---------------------------------|---|-----------------------------------|----------------------------------|
| Allegheny | 13 (123,258) | 89 (644,092) | 4 (74,020) |
| Monongahela | 9 (33,570) | 82 (818,219) | 5 (10,950) |
| Beaver | 12 (294,290) | 42 (419,690) | 17 (87,431) |
| Muskingum | 12 (48,106) | 71 (412,419) | 38 (241,924) |
| Kanawha | 0 (0) | 8 (14,828) | 1 (7,800) |
| Hocking | 1 (1,470) | 9 (86,279) | 0 (0) |
| Kentucky | 2 (4,635) | 30 (282,485) | 11 (83,470) |
| Salt | 1 (977) | 68 (200,898) | 22 (59,750) |
| Green | 0 (0) | 25 (152,347) | 10 (95,691) |
| Wabash | 10 (20,420) | 162 (746,357) | 136 (1,469,441) |
| Cumberland | 0 (0) | 26 (75,425) | 9 (51,581) |
| Ohio River minor tributaries | 9 (18,558) | 118 (344,465) | 58 (224,756) |
| Tennessee | 9 (13,403) | 19 (41,408) | 4 (28,400) |
| Kanawha | 28 (81,075) | 51 (426,059) | 5 (50,530) |
| Guyandot | 4 (22,300) | 10 (18,200) | 0 (0) |
| Big Sandy | 5 (17,720) | 16 (34,899) | 0 (0) |
| Scioto | 2 (2,030) | 37 (866,502) | 26 (140,884) |
| Little Miami | 1 (2,220) | 18 (165,623) | 6 (57,186) |
| Licking | 1 (1,380) | 10 (37,481) | 4 (32,050) |
| Great Miami | 0 (0) | 50 (703,685) | 19 (450,773) |
| Ohio River | 33 (1,347,098) | 96 (2,283,375) | 0 (0) |

Table 4

Summary of Municipal Plant Needs, 1985

| <u>Needs</u> | | <u>Percent of Total</u> |
|--|-----------------------------|-----------------------------|
| <u>Existing Facilities</u> | <u>Number of Facilities</u> | |
| No needs identified | 918 | 58 |
| Increase treatment to secondary* | 156 | 10 |
| Increase treatment to advanced* | 343 | 22 |
| Increase in capacity only | 69 | 4 |
| Replacement | 91 | 6 |
| | | |
| Total | 1577 | 100 |
| | | |
| <u>New Facilities</u> (no current treatment) | | |
| | | |
| Secondary | 138 | 60 |
| Advanced | 94 | 40 |
| | | |
| Total | 232 | 100 |

*Includes facilities needing additional treatment capacity

Table 6

Summary of Industrial Plant Needs, 1985

| <u>Needs</u> | | <u>Percentage</u> |
|---------------------------------|-----------------------------|-------------------|
| <u>Existing Facilities</u> | <u>Number of Facilities</u> | <u>of Total</u> |
| No needs identified | 518 | 85 |
| Increase treatment only | 69 | 11 |
| Increase capacity only | 2 | 1 |
| Increase treatment and capacity | 15 | 2 |
| Replacement | <u>8</u> | <u>1</u> |
| Total | 612 | 100 |
| <u>New Facilities</u> | 1 | |

Table 8
**Summary of Municipal and Industrial Wastewater Facilities
 by River Basin, 1985**

| <u>River Basin</u> | <u>Municipal</u> | | | <u>Industrial</u> | |
|------------------------|-----------------------------|--------------------------|--|-----------------------------|--|
| | <u>Number of Facilities</u> | <u>Population Served</u> | <u>Number of Facilities With Needs</u> | <u>Number of Facilities</u> | <u>Number of Facilities With Needs</u> |
| Kanawha | 84 | 557,664 | 43 | 29 | 8 |
| Guyandot | 14 | 40,500 | 13 | 1 | 0 |
| Big Sandy | 21 | 52,619 | 7 | 6 | 0 |
| Scioto | 65 | 1,009,466 | 35 | 19 | 5 |
| Little Miami | 25 | 225,029 | 20 | 2 | 1 |
| Licking | 15 | 70,911 | 5 | 2 | 0 |
| Great Miami | 69 | 1,154,458 | 40 | 21 | 1 |
| Kentucky | 43 | 370,590 | 14 | 9 | 0 |
| Salt | 91 | 261,625 | 47 | 5 | 0 |
| Green | 35 | 248,038 | 9 | 6 | 0 |
| Wabash | 311 | 2,245,532 | 93 | 120 | 12 |
| Cumberland | 35 | 127,004 | 12 | 5 | 0 |
| Ohio Minor Tributaries | 185 | 587,779 | 82 | 23 | 4 |
| Tennessee | 32 | 88,211 | 13 | 10 | 1 |
| Allegheny | 106 | 841,370 | 38 | 88 | 10 |
| Monongahela | 96 | 862,739 | 25 | 49 | 6 |
| Beaver | 71 | 801,411 | 35 | 38 | 8 |
| Muskingum | 121 | 702,449 | 63 | 53 | 11 |
| Little Kanawha | 9 | 22,628 | 2 | 1 | 0 |
| Hocking | 10 | 87,749 | 6 | 4 | 0 |
| Ohio River | 129 | 3,630,473 | 51 | 120 | 27 |

- o A total of 1,573 existing municipal facilities were surveyed in 1985. This is about equal to the number of municipal plants comprising the 1983 data base (1571). A total of 1,595 municipal plants were surveyed in 1980.
- o A total of 14.01 million people are now served by central publicly owned (municipal) and privately owned treatment facilities. This represents a significant increase over 1980 where 13.38 million people received central wastewater treatment. As shown in Table 10, significant progress continues in bringing secondary or higher level of treatment to the citizens within the Compact District. In particular, the number of people receiving advanced wastewater treatment has increased by almost 300% since 1980. In addition, since 1980 that population receiving less than full secondary treatment was reduced by over 1/2 to 860,000.

B. Facility Needs

Summaries of facility needs are provided in Table 12, the data indicates the following:

- o The number of existing municipal facilities needing improvements have been reduced 25 percent in the past five years from 874 in 1980 to 653 in 1985. Most of the progress however was achieved during the period from 1980 to 1983, as only a 5 percent reduction occurred from 1983 to 1985.
- o The 1985 survey includes 612 existing industrial facilities. The number of industrial plants in the Compact District continues in significant decline as 658 plants comprised the 1983 data base and 776 plants were included in the 1980 survey.
- o The need for new municipal facilities fell 32 percent from 343 in 1980 to 232 in 1985. This has been a steady decline over the past five years.

- o The number of existing industrial facilities with needs has increased 48 percent in the last two years, from 48 in 1983 to 94 in 1985. This is a five year decrease of 37 percent from 150 in 1980. This increase in needs over the last two years appears to be related to the issuance of Best Available Treatment (BAT) effluent limitations for several industrial categories by the U.S. EPA and the increased effort by the states to renew expired NPDES permits.
- o There is only one need for a new industrial wastewater treatment facility in the Compact District.

C. Facility Projects

Summaries of status of wastewater facility projects are provided in Table 13, which indicates the following:

- o The number of municipal facilities under construction has increased 43 percent in the last two years, from 110 in 1983 to 157 in 1985. This is a 5 year increase of 16 percent from 135 in 1980.
- o The number of municipal projects needed in which studies have not been initiated has increased 5 percent in the last two years, this is a 14 percent reduction from 1980.
- o The number of industrial facility projects have all increased over the last two years. Specifically, construction is up 53 percent, design is up 75 percent and studies are up 100 percent. A total increase of 70 percent from 30 facilities in 1983 to 51 facilities in 1985. This is probably a result of the new BAT limitations and renewal of expired NPDES permits as discussed above.
- o The number of industrial facilities needing projects in which studies have not yet been initiated is up 84 percent from 33 in 1983 to 61 in 1985. Again this may be due to BAT and renewal of expired permits.
- o The five-year trend for industrial projects shows an overall decrease of 35 percent.

In 1985 a special survey of the municipalities requiring pretreatment programs was conducted. The purpose was to define the progress being made toward compliance with federal pretreatment requirements in the Compact District. Data was collected on the number of facilities and affected population requiring pretreatment programs and the status of the required program. Table 14 presents the data by states and indicates the following general findings.

- o Approximately 12 percent of the existing and proposed municipal wastewater treatment facilities in the Compact District are currently subject to industrial pretreatment programs. However, these 212 facilities account for 64 percent of the Compact District population served by central treatment facilities.
- o Seventy-seven (77) percent of the municipal facilities which must develop a pretreatment program have secured program approval, 164 of the 212 required.
- o Twenty-six (26) programs are under secondary/final preparation or state-U.S. EPA review, which is 54 percent of the 48 programs needing final approval.
- o Ohio has the largest number of pretreatment programs required with 86. Seventy-nine (79) percent have final approval.
- o The State of New York has approved all the required pretreatment programs. Kentucky has the second highest approval rate with 55 of the 58 required programs approved.

APPENDIX A

1. Instructional Guide and Coding Key Definitions
2. Detail Data Report Form

INSTRUCTIONAL GUIDE AND CODING KEY DEFINITIONS

General Instructions

1. Two sets of lists are enclosed. To indicate revisions, please add or change numbers in appropriate columns (in pencil or pen) to update the information (as of mid-year 1985). New community or industrial entries may be added at the bottom of the appropriate local basin listing.
2. Privately owned domestic facilities (such as mobile home parks, residences, state and federally owned facilities) and industrial facilities, less than 40,000 gal/day should be omitted.

Coding Key

| <u>Data Item</u> | <u>Code</u> | <u>Entry</u> | <u>Remarks</u> |
|-------------------|---|------------------------|---|
| Type Facility | D I | Domestic Industrial | Facility should be classified according to the nature of the owner. A facility treating primarily domestic wastes should be classified as industrial if it is industrially owned. A facility treating primarily industrial wastes should be classified as domestic if it is publicly owned. |
| Name of | | | 15 characters or less |
| | - Plant - Tributary community - Plant owner | | Name of the plant or the subordinate community (where a plant services more than one community) or the owner of a facility (when a community or owner has more than one facility). |
| State of NPDES ID | | | <u>Optional entry at the state's discretion.</u> |
| County | | | Three-digit code for county location |
| Local Basin | | | Two-digit code for the local basin location of a facility. This column is printed if the overall listing is arranged by county or by alphabet only. Enter this column if your printout is <u>not</u> arranged by local basin. |

| | | |
|-----------------------------|---|--|
| Treatment | 0 None 1 Primary or less 2 Intermediate 3 Secondary 4 Tertiary 5 Closed system 6 Non-conventional, meets requirements 7 Non-conventional, does not meet requirements | This item describes the level of treatment currently provided. Codes 6 & 7 generally pertain to industrial facilities (where the type of treatment cannot be conventionally described). |
| Treatment Facility Required | 0 None 1 Primary or less 2 Intermediate 3 Secondary 4 Tertiary 5 Closed system 6 Non-conventional | The level of treatment which is needed for a facility is entered in this column. In some instances, particularly where a facility is under study, a best guess may be appropriate. Items 5 & 6 generally pertain to industrial facilities. |
| Facility Needs | 0 None 1 New Facility 2 Increase capacity 3 Increase treatment level 4 Increase capacity and level of treatment | This item is intended to summarize the overall facility needs. Enter "0" if no work is necessary, or if a moderate amount of renovation is indicated that does not change the level of treatment. In the case where a facility needs extensive renovations, it can be considered as a new facility (entry "1"). A judgment call may be necessary in some instances. |
| Phase of Improvements | 0 None required 1 No action 2 Action initiated 3 In study (Step 1) 4 In design (Step 2) 5 In construction (Step 3) 6 Construction recently completed, in operation | If "Facility Needs" has been identified, but no action has been taken by the owner, enter "1"; if initial actions have been taken (for example, a municipal facility owner has applied for a Step 1 grant, but there has been no award as yet), enter "2". A municipal facility awaiting a Step 2 or 3 grant should be indicated as in Step 1 (entry "3") or Step 2 (entry "4"), respectively. Enter "6" where facility has initiated new treatment units since last update. |

| | |
|---|---|
| Number of Municipalities and/or Entities Served | Enter the total number of communities (separate political entities) served by the facility. |
| Entity or Facility Providing Treatment | If the entry under "Name of: Plant; Tributary Community; Plant Owner" is a tributary community, then the name of the regional plant is entered here. In the case where the entry under "Name of ..." is a plant and it is one of several owned by an entity, enter here that entity which owns this facility. |
| Plant or Tributary Community Population | Enter the estimated population tributary to the facility (or tributary community) as indicated in column titled "Name of ...". |

Additional Data to be Obtained by 1985 Update
- Municipal Facilities -

| | |
|-----------------------------|--|
| Pretreatment Program Needed | 0 No |
| | 1 Yes |
| | 2 Unknown |
| Status of Program | 0 No Program needed |
| | 1 No action |
| | 2 Submitted under initial preparation |
| | 3 State/EPA review or remedial for modification |
| | 4 Approved program |
| | 5 Unknown |

OHIO RIVER VALLEY WATER SANITATION COMMISSION
ORSANCO COMPACT AREA WASTEWATER FACILITIES STATUS PROGRAM

Coding Key - Local Basin

| <u>Code</u> | <u>Local Basin</u> |
|-------------|------------------------------|
| 00 | Ohio River direct discharger |
| 01 | Allegheny |
| 02 | Monongahela |
| 03 | Beaver |
| 04 | Muskingum |
| 05 | Little Kanawha |
| 06 | Hocking |
| 07 | Kanawha |
| 08 | Guyandot |
| 09 | Big Sandy |
| 10 | Scioto |
| 11 | Little Miami |
| 12 | Licking |
| 13 | Miami |
| 14 | Kentucky |
| 15 | Salt |
| 16 | Green |
| 17 | Wabash |
| 20 | Cumberland |
| 21 | Ohio River minor tributaries |
| 30 | Tennessee |

OHIO RIVER VALLEY WATER
SANITATION COMMISSION

ORSANCO COMPACT AREA WASTEWATER FACILITIES STATUS PROGRAM

PAGE

APPENDIX B

1. Survey Data Summaries by State
2. Survey Data Summaries by River Basin

STATUS OF WASTEWATER FACILITIES, 1985 SURVEY

TALLY FOR NEW YORK
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POLITICAL FACILITIES | INDUSTRIAL FACILITIES |
|--|-------------------------|-------------------------|--------------------------|
| TOTAL | 12 | 101120 | 13 |
| NO IDENTIFIED NEEDS | 7 | 55140 | 18 |
| IMPROVEMENTS NEEDED | 5 | 45990 | 0 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 0 | 0 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT | 0 | 0 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 0 | 0 | 0 |
| TERTIAL UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 0 | 0 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 5 | 45990 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION | 3 | 4990 | 0 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION | 2 | 41000 | 0 |
| PROJECTS UNDER CONSTRUCTION | 1 | 39000 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 0 | 0 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 0 | 0 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 0 | 0 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 0 | 0 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 0 | 0 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR NEW YORK PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|---|----|
| NO TREATMENT | 0 | 0 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 4 | 0 |
| RELIABLE SECONDARY TREATMENT | 7 | 0 |
| TERTIAL TREATMENT | 1 | 0 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 19 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|---|-------|
| INCINE (NO PROJECT) | 0 | 51800 |
| NO ACTION | 0 | 0 |
| ACTION INITIATED | 1 | 0 |
| STEP ONE | 0 | 3340 |
| STEP TWO | 0 | 0 |
| STEP THREE | 4 | 6990 |
| CONSTRUCTION COMPLETE | 1 | 39000 |

1985 URBANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR NEW YORK

| MUNICIPAL FACILITIES | FULFILLMENT |
|--|-------------|
| A. FACILITIES NOT REQUIRING PROGRAM | 39050 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 62100 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 |
| D. PROGRAM STATUS: | |
| •NO ACTION | 0 |
| •IN PREPARATION OR INITIAL SUBMITTAL | 0 |
| •UNDER SECONDARY/FINAL PREPARATION OR STATE U.S.E.P.A. REVIEW | 0 |
| •APPROVED PROGRAM | 2 |
| •UNKNOWN | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR WEST VIRGINIA
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|---|-------------------------|--------------------------------------|--------------------------|
| TOTAL NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 155 88 67 11 | 1159228 331401 328597 48379 | 75 57 18 13 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | | | |
| 1. UPGRADE TO SECONDARY TREATMENT | 6 | 26419 | 3 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 1 |
| 2. UPGRADE TO TERTIARY TREATMENT | 9 | 21960 | 4 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 1 | 2280 | 1 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 1 | 200 | 1 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 200 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 46 | 253538 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 27 | 151589 | 1 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 6 | 66420 | 1 |
| D. FACILITIES NEEDING REPLACEMENT | 19 | 106950 | 2 |
| E. FACILITIES NEEDING REPLACEMENT | 5 | 30750 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 9 | 21480 | 1 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 1 | 7500 | 0 |
| F. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 58 | 146027 | 1 |
| A. SECONDARY TREATMENT REQUIRED | 49 | 131537 | 1 |
| B. NEW FACILITIES UNDER CONSTRUCTION | 16 | 52930 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 9 | 14470 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 6 | 12648 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR WEST VIRGINIA PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | |
|---|-----|
| NO TREATMENT | 53 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 32 |
| RELIABLE SECONDARY TREATMENT | 117 |
| TERtiARY TREATMENT | 4 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 0 |

SUMMARY OF PHASE OF PROJECT

| | |
|-----------------------|----|
| NONE (NO PROJECT) | 69 |
| NO ACTION | 20 |
| ACTION INITIATED | 6 |
| STEP ONE | 41 |
| STEP TWO | 9 |
| STEP THREE | 35 |
| CONSTRUCTION COMPLETE | 0 |

| | |
|---------|----|
| 146027 | 3 |
| 122798 | 34 |
| 1005340 | 20 |
| 31860 | 6 |
| 0 | 9 |
| 0 | 3 |

| | |
|--------|----|
| 533238 | 54 |
| 43329 | 6 |
| 27420 | 7 |
| 238767 | 0 |
| 26750 | 0 |
| 171923 | 0 |
| 0 | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR WEST VIRGINIA,

| | MUNICIPAL FACILITIES | POPULATION |
|---|-------------------------|------------|
| III. SPECIAL DATA SUMMARY - 1985 | | |
| A. FACILITIES NOT REQUIRING PROGRAM | 206 | 869598 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 7 | 436427 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 0 | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 | 0 |
| UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | 2 | 109107 |
| APPROVED PROGRAM | 5 | 327320 |
| UNKNOWN | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1995 SURVEY

TALLY FOR PENNSYLVANIA
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|---|-------------------------|------------|--------------------------|
| TOTAL. | 229 | 3288814 | 145 |
| NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 166 | 2803039 | 122 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 63 | 485775 | 23 |
| 1. UPGRADE TO SECONDARY TREATMENT | 14 | 197924 | 13 |
| 2. UPGRADE TO TERTIARY TREATMENT | 2 | 1 | 1 |
| 3. TERTIARY UPGRADERS UNDER CONSTRUCTION | 6 | 37520 | 2 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 0 | 0 | 0 |
| C. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 19 | 139492 | 0 |
| D. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 37000 | 0 |
| E. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 0 | 0 | 0 |
| F. FACILITIES NEEDING REPLACEMENT | 21 | 133639 | 7 |
| G. FACILITIES NEEDING EXPANSION | 11 | 44204 | 0 |
| H. FACILITIES NEEDING EXPANSION | 1 | 854 | 0 |
| I. FACILITIES NEEDING EXPANSION | 10 | 6935 | 0 |
| J. FACILITIES NEEDING EXPANSION | 3 | 38265 | 0 |
| K. FACILITIES NEEDING REPLACEMENT | 9 | 14720 | 3 |
| L. CURRENTLY WITH SECONDARY TREATMENT OR LESS REFACEMENTS UNDER CONSTRUCTION | 8 | 14220 | 0 |
| M. CURRENTLY WITH TERTIARY TREATMENT REFACEMENTS UNDER CONSTRUCTION | 2 | 2500 | 0 |
| N. NEW FACILITIES | 1 | 500 | 0 |
| TOTAL | 27 | 38254 | 0 |
| A. SECONDARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 24 | 37402 | 0 |
| B. TERTIARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 1 | 1500 | 0 |
| | 1 | 346 | 0 |
| | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR PENNSYLVANIA PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | | |
|---|-----|---------|-----|
| NO TREATMENT | 27 | 39254 | 9 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 18 | 151298 | 1 |
| RELIABLE SECONDARY TREATMENT | 190 | 2924806 | 22 |
| TERtiARY TREATMENT | 21 | 212720 | 0 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 | 0 | 100 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 | 21 |

SUMMARY OF PHASE OF PROJECT

| | | | |
|-----------------------|-----|---------|-----|
| NONE (NO PROJECT) | 161 | 2791518 | 118 |
| NO ACTION | 39 | 163864 | 55 |
| ACTION INITIATED | 9 | 12510 | 55 |
| STEP ONE | 27 | 143016 | 4 |
| STEP TWO | 7 | 70340 | 4 |
| STEP THREE | 10 | 134299 | 0 |
| CONSTRUCTION COMPLETE | 0 | 0 | 0 |

1975 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR PENNSYLVANIA

| | MUNICIPAL FACILITIES | POPULATION |
|--|-------------------------|------------|
| III. SPECIAL DATA SUMMARY - 1975 | | |
| A. FACILITIES NOT REQUIRING PROGRAM | 227 | 1541727 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 14 | 169768 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 13 | 91073 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 2 | 70325 |
| IN PREPARATION OR INITIAL SUBMITTAL | 2 | 46380 |
| UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S. E.P.A. REVIEW | 3 | 119665 |
| APPROVED PROGRAM | 4 | 1215622 |
| UNKNOWN | | 239676 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR KENTUCKY
SUMMARY OF FACILITY NEEDS

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|---|-------------------------|------------|--------------------------|
| TOTAL NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 343 | 2104452 | 69 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 212 | 1162264 | 66 |
| 1. UPGRADE TO SECONDARY TREATMENT | 131 | 944168 | 33 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 11 | 452033 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 4 | 446520 | 0 |
| 3. TERTIARY UPGRADES UNDER CONSTRUCTION | 51 | 74993 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 62 | 2210 | 2 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 15 | 231850 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 14 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 3 | 177850 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 154980 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 54000 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 1 | 54000 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 24 | 81271 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 6 | 24667 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 2 | 15630 | 0 |
| II NEW FACILITIES | 29 | 56384 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 29 | 17330 | 0 |
| 1. NEW FACILITIES UNDER CONSTRUCTION | 1 | 104041 | 1 |
| 2. NEW FACILITIES UNDER CONSTRUCTION | 1 | 7880 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 1 | 7880 | 0 |
| 1. NEW FACILITIES UNDER CONSTRUCTION | 1 | 7880 | 0 |
| TOTAL | 12 | 123722 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 10 | 121998 | 0 |
| 1. NEW FACILITIES UNDER CONSTRUCTION | 3 | 2180 | 0 |
| 2. NEW FACILITIES UNDER CONSTRUCTION | 2 | 1724 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 2 | 1000 | 0 |
| 1. NEW FACILITIES UNDER CONSTRUCTION | 1 | 0 | 0 |

PAGE ONE

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR KENTUCKY PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | | |
|---|-----|---------|---|
| NO TREATMENT | 12 | 123722 | 4 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 9 | 19766 | 0 |
| RELIABLE SECONDARY TREATMENT | 249 | 1660455 | 5 |
| TERtiARY TREATMENT | 35 | 426031 | 4 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 0 | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | | |
|-----------------------|-----|--------|----|
| NONE (NO PROJECT) | 161 | 649129 | 64 |
| NO ACTION | 69 | 116156 | 3 |
| ACTION INITIATED | 13 | 32968 | 1 |
| STEP ONE | 58 | 286663 | 0 |
| STEP TWO | 11 | 135130 | 1 |
| STEP THREE | 27 | 729530 | 2 |
| CONSTRUCTION COMPLETE | 0 | 0 | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR KENTUCKY

| MUNICIPAL FACILITIES | | POPULATION |
|-------------------------|---|------------|
| A. | FACILITIES NOT REQUIRING PROGRAM | 292 |
| B. | FACILITIES REQUIRING PRETREATMENT PROGRAM | 53 |
| C. | FACILITIES - PROGRAM NEEDS UNKNOWN | 1 |
| D. | PROGRAM STATUS: | |
| | NO ACTION | 1 |
| | IN PREPARATION OR INITIAL SUBMITTAL | 0 |
| | UNDER SECONDARY/FINAL PREPARATION | 2 |
| | OR STATE - U.S.E.P.A. REVIEW | 2 |
| | APPROVED PROGRAM | 55 |
| | UNKNOWN | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR OHIO

SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|-------------------------------|--------------------------|
| TOTAL NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 393 154 239 66 | 4509376 1413783 305593 758297 | 147 117 30 25 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | | | |
| 1. UPGRADE TO SECONDARY TREATMENT | 12 | 496510 | 1 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 4 | 449790 | 1 |
| 2. UPGRADE TO TERTIARY TREATMENT | 54 | 261787 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 1 | 60280 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 17 | 1322810 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT | 14 | 100520 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 3 | 39240 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 5 | 32290 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 129 | 1631452 | 3 |
| 1. UPGRADE TO SECONDARY + EXPANSION | 37 | 264707 | 1 |
| PROJECTS UNDER CONSTRUCTION | 12 | 113093 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION | 42 | 1366775 | 0 |
| PROJECTS UNDER CONSTRUCTION | 13 | 644250 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 25 | 573004 | 2 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 24 | 570504 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 3 | 5540 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT | 1 | 2200 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II NEW FACILITIES | | | |
| TOTAL | 45 | 46902 | 0 |
| A. SECONDARY TREATMENT REQUIRED | | | |
| NEW FACILITIES UNDER CONSTRUCTION | 21 | 19235 | 0 |
| B. TERTIARY TREATMENT REQUIRED | | | |
| NEW FACILITIES UNDER CONSTRUCTION | 44 | 2820 | 0 |
| | 1 | 27607 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR OHIO
PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | | |
|---|-----|---------|----|
| NO TREATMENT | 65 | 46902 | 7 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 43 | 435811 | 0 |
| RELIABLE SECONDARY TREATMENT | 250 | 3182380 | 12 |
| TERtiARY TREATMENT | 97 | 891185 | 4 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 | 0 | 0 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 | 27 |

SUMMARY OF PHASE OF PROJECT

| | | | |
|-----------------------|-----|---------|-----|
| NONE (NO PROJECT) | 125 | 1222724 | 108 |
| NO ACTION | 114 | 159269 | 15 |
| ACTION INITIATED | 32 | 154433 | 6 |
| STEP ONE | 23 | 370582 | 5 |
| STEP TWO | 32 | 674549 | 8 |
| STEP THREE | 32 | 1315013 | 4 |
| CONSTRUCTION COMPLETE | 0 | 0 | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR OHIO

| | MUNICIPAL FACILITIES | POPULATION |
|---|-------------------------|------------|
| A. FACILITIES NOT REQUIRING PROGRAM | 369 | 1041125 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 26 | 3514285 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 0 | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 | 56380 |
| UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | 12 | 852318 |
| APPROVED PROGRAM | 69 | 2605587 |
| UNKNOWN | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR INDIANA
SUMMARY OF FACILITY NEEDS

PAGE ONE

EXISTING FACILITIES

| | MUNICIPAL FACILITIES | PITFALLATION | INDUSTRIAL FACILITIES |
|---|-------------------------|--------------|--------------------------|
| TOTAL | 294 | 2283113 | 134 |
| NO IDENTIFIED NEEDS | 211 | 1961542 | 119 |
| IMPROVEMENTS NEEDED | 83 | 321571 | 15 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 59 | 224633 | 13 |
| 1. UPGRADE TO SECONDARY TREATMENT | 3 | 8120 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 56 | 216513 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 17 | 135812 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 13 | 45356 | 1 |
| C. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 10 | 59216 | 0 |
| D. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 3050 | 0 |
| E. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 10 | 5050 | 0 |
| F. FACILITIES NEEDING INCREASED TREATMENT + EXPANSION | 10 | 23072 | 1 |
| G. FACILITIES NEEDING REPLACEMENT | 1 | 6510 | 0 |
| H. FACILITIES NEEDING REPAIR | 1 | 8510 | 0 |
| I. FACILITIES WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 1 | 8510 | 0 |
| J. FACILITIES WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| K. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 62 | 40749 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 26 | 19541 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 36 | 21208 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 1767 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR INDIANA PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | | |
|---|-----|---------|-----|
| NO TREATMENT | 62 | 46749 | 0 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 8 | 28990 | 0 |
| RELIABLE SECONDARY TREATMENT | 167 | 921456 | 2 |
| TERtiARY TREATMENT | 117 | 1332467 | 2 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 0 | 114 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 | 16 |

SUMMARY OF PHASE OF PROJECT

| | | | |
|-----------------------|-----|---------|-----|
| NONE (NO PROJECT) | 159 | 1742358 | 116 |
| NO ACTION | 26 | 31730 | 6 |
| ACTION INITIATED | 5 | 8751 | 7 |
| STEP ONE | 78 | 163866 | 0 |
| STEP TWO | 10 | 13018 | 0 |
| STEP THREE | 29 | 171839 | 2 |
| CONSTRUCTION COMPLETE | 0 | 0 | 0 |

1985 URBANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR INDIANA

| MUNICIPAL FACILITIES | POPULATION |
|---|------------|
| <hr/> | |
| III. SPECIAL DATA SUMMARY - 1985 | |
| A. FACILITIES NOT REQUIRING PROGRAM | |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | |
| D. PROGRAM STATUS: | |
| NO ACTION | |
| • IN PREPARATION OR INITIAL SUBMITTAL | |
| • UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | |
| • APPROVED PROGRAM | |
| • UNKNOWN | |
| 317 | 682751 |
| 39 | 164111 |
| 0 | 0 |
| | |
| 1 | 37100 |
| 2 | 59700 |
| 5 | 103530 |
| 27 | 1279571 |
| 4 | 161210 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR ILLINOIS
SUMMARY OF FACILITY NEEDS

PAGE ONE.

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 100 | 401,031 | 10 |
| NO IDENTIFIED NEEDS | 57 | 254,529 | 9 |
| IMPROVEMENTS NEEDED | 43 | 146,502 | 1 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 20 | 50,790 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT | 4 | 19,666 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| UPGRADE TO TERTIARY TREATMENT | 16 | 48,624 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 3 | 9,220 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 2 | 59,210 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 59,200 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 12 | 65,770 | 1 |
| C. FACILITIES NEEDING REPLACEMENT | 0 | 14,630 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 55,140 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 0 | 28,940 | 0 |
| III NEW FACILITIES | 0 | 20,022 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 9 | 7,210 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 2 | 0 | 0 |
| TOTAL | 0 | 16,400 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 1 | 10,200 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 2 | 8,200 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 6,200 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR ILLINOIS PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|----|--------|
| NO TREATMENT | 3 | 1840 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 12 | 21521 |
| RELIABLE SECONDARY TREATMENT | 42 | 137752 |
| TERtiARY TREATMENT | 43 | 232444 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 1 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|----|--------|
| NONE (NO PROJECT) | 52 | 242875 |
| NO ACTION | 0 | 315 |
| ACTION INITIATED | 2 | 2787 |
| STEP ONE | 17 | 67798 |
| STEP TWO | 15 | 30752 |
| STEP THREE | 10 | 46190 |
| CONSTRUCTION COMPLETE | 0 | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR ILLINOIS

| | MUNICIPAL FACILITIES | POPULATION |
|--|-------------------------|------------|
| III. SPECIAL DATA SUMMARY - 1985 | | |
| A. FACILITIES NOT REQUIRING PRETREATMENT PROGRAM | 100 | 271121 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 3 | 131750 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 0 | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 | 0 |
| UNDER SECONDARY/FINAL PREPARATION | 1 | 47000 |
| OR STATE - U.S.E.P.A. REVIEW | 2 | 64750 |
| APPROVED PROGRAM | 0 | 0 |
| UNKNOWN | | |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR VIRGINIA
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 51 | 170150 | 13 |
| NO IDENTIFIED NEEDS | 28 | 95856 | 9 |
| IMPROVEMENTS NEEDED | 28 | 74264 | 4 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 7 | 9215 | 3 |
| 1. UPGRADE TO SECONDARY TREATMENT | 6 | 7985 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 1 | 100 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 1 | 1230 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 0 | 0 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 13 | 33326 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION | 13 | 33326 | 0 |
| PROJECTS UNDER CONSTRUCTION | 1 | 5890 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION | 0 | 0 | 0 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 6 | 31723 | 1 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 6 | 31723 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 2 | 1173 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 5 | 29000 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 5 | 29000 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 2 | 27450 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 0 | 0 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR VIRGINIA PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | |
|---|----|
| NO TREATMENT | 5 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 27 |
| RELIABLE SECONDARY TREATMENT | 20 |
| TERtiARY TREATMENT | 4 |
| NONCONVENTIONAL TET. MEETING REQUIREMENTS | 0 |
| NONCONVENTIONAL TET. NOT MEETING REQUIREMENTS | 0 |

| | |
|-------|---|
| 29000 | 0 |
| 75034 | 0 |
| 62266 | 2 |
| 34850 | 0 |
| 0 | 7 |
| 0 | 4 |
| 0 | 0 |

SUMMARY OF PHASE OF PROJECT

| | |
|-----------------------|----|
| NONE (NO PROJECT) | 19 |
| NO ACTION | 0 |
| ACTION INITIATED | 7 |
| STEP ONE | 6 |
| STEP TWO | 12 |
| STEP THREE | 6 |
| CONSTRUCTION COMPLETE | 0 |

| | |
|-------|---|
| 84396 | 9 |
| 0 | 0 |
| 36830 | 0 |
| 17725 | 2 |
| 13696 | 1 |
| 34813 | 1 |
| 0 | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR VIRGINIA

| MUNICIPAL FACILITIES | POPULATION |
|---|------------|
| <hr/> | |
| A. FACILITIES NOT REQUIRING PROGRAM | 16390 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 35160 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 |
| D. PROGRAM STATUS: | |
| NO ACTION | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 |
| UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | 1 |
| APPROVED PROGRAM | 2 |
| UNKNOWN | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR OHIO RIVER DIRECT DISCHARGER
SUMMARY OF FACILITY NEEDS

I. EXISTING FACILITIES

PAGE ONE

| | MUNICIPAL FACILITIES | PITMILLATION | INDUSTRIAL FACILITIES |
|--|-------------------------|-----------------|--------------------------|
| TOTAL | 129 | 36,304,73 | 120 |
| NO IDENTIFIED NEEDS | 78 | 25,685,3 | 73 |
| IMPROVEMENTS NEEDED | 51 | <u>112,152</u> | 27 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 12 | <u>-795,744</u> | 20 |
| 1. UPGRADE TO SECONDARY TREATMENT | 10 | 88,203,4 | |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 2 | 84,07,8 | |
| 2. UPGRADE TO TERTIARY TREATMENT | 2 | 26,71,0 | |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | |
| B. FACILITIES NEEDING INCREASED CAPACITY | 0 | 7,25,60 | 1 |
| C. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 7,25,60 | 0 |
| D. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 24 | 125,96,6 | 4 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 24 | 125,94,6 | 2 |
| PROJECTS UNDER CONSTRUCTION | 9 | 79,81,0 | 1 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 1 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 7 | 14,23,0 | 2 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 7 | 14,23,0 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 2 | 10,26,0 | 0 |
| II. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 10 | 136,04,9 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 3 | 136,04,9 | 0 |
| 1. NEW FACILITIES UNDER CONSTRUCTION | 3 | 6,90,0 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 0 | 0 | 0 |
| 1. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR OHIO RIVER DIRECT DISCHARGER

PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|----|---------|
| NO TREATMENT | 10 | 136049 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 33 | 3 |
| RELIABLE SECONDARY TREATMENT | 96 | 14 |
| TERtiARY TREATMENT | 0 | 2283375 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 0 | 66 |
| | | 15 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|----|---------|
| NONE (NO PROJECT) | 63 | 2261973 |
| NO ACTION | 12 | 32534 |
| ACTION INITIATED | 8 | 12701 |
| STEP ONE | 24 | 168416 |
| STEP TWO | 8 | 170230 |
| STEP THREE | 16 | 939678 |
| CONSTRUCTION COMPLETE | 0 | 0 |

1935 ORSANCO WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR OHIO RIVER DIRECT DISCHARGER

| MUNICIPAL FACILITIES | POPULATION |
|-------------------------|------------|
| 110 | 597520 |
| 27 | 1931250 |
| 1 | 6500 |
| 1 | 37100 |
| 0 | 0 |
| 5 | 725045 |
| 18 | 1171805 |
| 3 | 47300 |

III. SPECIAL DATA SUMMARY - 1935

A. FACILITIES NOT REQUIRING PROGRAM

B. FACILITIES REQUIRING PRETREATMENT PROGRAM

C. FACILITIES - PROGRAM NEEDS UNKNOWN

D. PROGRAM STATUS:

- NO ACTION
- IN PREPARATION OR INITIAL SUBMITTAL
- UNDER SECONDARY/FINAL PREPARATION
- OR STATE - U.S.E.F.A. REVIEW
- APPROVED PROGRAM
- UNKNOWN

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR ALLEGHENY
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 106 | 341370 | 88 |
| NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 68 | 534142 | 78 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 39 | 307228 | 10 |
| | 6 | 112304 | 4 |
| 1. UPGRADE TO SECONDARY TREATMENT | 5 | 103744 | 1 |
| 2. UPGRADE TO TERTIARY TREATMENT | 1 | 2770 | 0 |
| 3. TERTIARY UPGRADES UNDER CONSTRUCTION | 3 | 8560 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 0 | 0 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 10 | 65105 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 37000 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 0 | 0 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 10 | 127819 | 5 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 20984 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 9 | 854 | 0 |
| | 2 | 106835 | 0 |
| | 1 | 61665 | 1 |
| | 2000 | 0 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 1 | 2000 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 1 | 2000 | 0 |
| III NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 15 | 21413 | 0 |
| A. SECONDARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 15 | 21413 | 0 |
| B. TERTIARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES SURVEY
TALLY FOR ALLEGHENY SURVEY
PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|----|--------|
| NO TREATMENT | 15 | 21410 |
| LESS THAN RELIABLE | 13 | 123253 |
| RELIABLE | 39 | 644092 |
| SECONDARY TREATMENT | 4 | 74020 |
| TERtiARY TREATMENT | 0 | 0 |
| NONCONVENTIONAL TRT. | 0 | 0 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|----|--------|
| NONE (NO PROJECT) | 64 | 524681 |
| NO ACTION | 22 | 183069 |
| ACTION INITIATED | 4 | 8230 |
| STEP ONE | 14 | 48263 |
| STEP TWO | 6 | 38130 |
| STEP THREE | 6 | 104289 |
| CONSTRUCTION COMPLETE | 0 | 0 |

1985 ORSANCO WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR ALLEGHENY

| MUNICIPAL FACILITIES | POPULATION |
|---|------------|
| A. FACILITIES NOT REQUIRING PROGRAM | 105 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 9 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 4 |
| D. PROGRAM STATUS: | |
| • NO ACTION | 1 |
| • IN PREPARATION OR INITIAL SUBMISSION | 1 |
| • UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | 2 |
| • APPROVED PROGRAM | 4 |
| • UNKNOWN | 1 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR MUNICIPALIA

SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 96 | 86,2739 | 49 |
| NO IDENTIFIED NEEDS | 71 | 67,470 | 43 |
| IMPROVEMENTS NEEDED | 25 | 19,1269 | 6 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 6 | 6,0239 | 6 |
| 1. UPGRADE TO SECONDARY TREATMENT | 4 | 56,779 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 1 | \$1410 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 2 | 3460 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 1 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 3 | 37740 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT | 0 | 37740 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 0 | 78040 | 0 |
| C. FACILITIES NEEDING REPLACEMENT | 0 | 56,040 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION | 0 | 27920 | 0 |
| PROJECTS UNDER CONSTRUCTION | 1 | 220000 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION | 0 | 60000 | 0 |
| PROJECTS UNDER CONSTRUCTION | 1 | 15250 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 0 | 0 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 0 | 15250 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 2 | 30000 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 39 | 47089 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 26 | 43595 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 6 | 20800 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 4 | 3494 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 2 | 2048 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR MONONGAHELA

PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|----|--------|
| NO TREATMENT | 30 | 47089 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 9 | 33570 |
| RELIABLE SECONDARY TREATMENT | 82 | 618219 |
| TERTIARY TREATMENT | 5 | 10350 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 |
| <hr/> | | |
| SUMMARY OF PHASE OF PROJECT | | |
| NONE (NO PROJECT) | 64 | 538950 |
| NO ACTION | 20 | 29664 |
| ACTION INITIATED | 0 | 0 |
| STEP ONE | 21 | 91916 |
| STEP TWO | 2 | 8600 |
| STEP THREE | 13 | 116176 |
| CONSTRUCTION COMPLETE | 0 | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR MONONGAHELA

| MUNICIPAL FACILITIES | POPULATION |
|--|------------|
| <hr/> | |
| A. FACILITIES NOT REQUIRING PROGRAM | 610087 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 244645 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 55146 |
| D. PROGRAM STATUS: | |
| • NO ACTION | 925 |
| • IN PREPARATION OR INITIAL SUBMITAL | 1 |
| • UNDER SECONDARY/FINAL PREPARATION | 0 |
| OR STATE - U.S.E.P.A. REVIEW | 0 |
| • APPROVED PROGRAM | 119320 |
| UNKNOWN | 124400 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR REAVER
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 71 | 201411 | 38 |
| NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 36 | 393934 | 30 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 35 | 407477 | 3 |
| | 4 | 8210 | 5 |
| 1. UPGRADE TO SECONDARY TREATMENT | 0 | 0 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 4 | 8210 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 5 | 25427 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 5 | 25427 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 18 | 339150 | 2 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 10 | 80700 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 23790 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 6 | 258450 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 7 | 243200 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 1 | 500 | 0 |
| E. NEW FACILITIES | 0 | 344690 | 1 |
| TOTAL | 0 | 34120 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 0 | 0 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 0 | 0 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1975 SURVEY
TALLY FOR BEAVER PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | |
|---|----|
| NO TREATMENT | 0 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 12 |
| RELIABLE SECONDARY TREATMENT | 42 |
| TERtiARY TREATMENT | 17 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 |

SUMMARY OF PHASE OF PROJECT

| | |
|-----------------------|----|
| NONE (NO PROJECT) | 24 |
| NO ACTION | 7 |
| ACTION INITIATED | 9 |
| STEP ONE | 9 |
| STEP TWO | 9 |
| STEP THREE | 7 |
| CONSTRUCTION COMPLETE | 0 |

| | |
|---|--------|
| NO TREATMENT | 0 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 294290 |
| RELIABLE SECONDARY TREATMENT | 419690 |
| TERtiARY TREATMENT | 87431 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 |

| | |
|---|----|
| NO TREATMENT | 0 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 12 |
| RELIABLE SECONDARY TREATMENT | 42 |
| TERtiARY TREATMENT | 17 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR BEAVER

| | MUNICIPAL FACILITIES | POPULATION |
|--|-------------------------|------------|
| A. FACILITIES NOT REQUIRING PRETREATMENT PROGRAM | 58 | 344661 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 13 | 456750 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| •NO ACTION | 0 | 0 |
| •IN PREPARATION OR INITIAL SUBMITTAL | 5 | 71230 |
| •UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | 6 | 290470 |
| •APPROVED PROGRAM | 2 | 95000 |
| •UNKNOWN | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR MUNICIPAL
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL. | 121 | 702449 | 53 |
| NO IDENTIFIED NEEDS | 28 | 315261 | 42 |
| IMPROVEMENTS NEEDED | 63 | 387188 | 11 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 26 | 152612 | 9 |
| 1. UPGRADE TO SECONDARY TREATMENT | 4 | 17870 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 3 | 16370 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 22 | 134742 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 1 | 60230 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 4 | 21790 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 3 | 21590 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 9230 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 30 | 165936 | 0 |
| C. FACILITIES NEEDING REPLACEMENT | 12 | 63217 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 4 | 35933 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 18 | 102719 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 2 | 7777 | 2 |
| D. FACILITIES NEEDING REPLACEMENT | 2 | 26850 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 3 | 26850 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| E. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL. | 16 | 10096 | 5395 |
| A. SECONDARY TREATMENT REQUIRED | 5 | 2820 | 0 |
| B. NEW FACILITIES UNDER CONSTRUCTION | 1 | 4701 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 11 | 0 | 0 |
| B. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR MUSKOGUE PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | | |
|---|----|---|--------|
| NO TREATMENT | 16 | 3 | 100% |
| LESS THAN RELIABLE SECONDARY TREATMENT | 12 | 0 | 43106 |
| RELIABLE SECONDARY TREATMENT | 71 | 6 | 412419 |
| TERINARY TREATMENT | 39 | 0 | 241924 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 0 | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 | 0 |
| | | | 10 |

SUMMARY OF PHASE OF PROJECT

| | | | |
|-----------------------|----|--------|----|
| NONE (NO PROJECT) | 49 | 286571 | 40 |
| NO ACTION | 23 | 122054 | 6 |
| ACTION INITIATED | 7 | 27892 | 1 |
| STEP ONE | 30 | 194717 | 1 |
| STEP TWO | 13 | 33551 | 5 |
| STEP THREE | 12 | 132970 | 1 |
| CONSTRUCTION COMPLETE | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR GUYANDOT
SUMMARY OF FACILITY NEEDS

I EXISTING FACILITIES

PAGE ONE

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 14 | 40500 | 1 |
| NO IDENTIFIED NEEDS | 1 | 2100 | 1 |
| IMPROVEMENTS NEEDED | 13 | 38400 | 0 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 4 | 14080 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT | 3 | 11300 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 1 | 2280 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 1 | 2280 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 1 | 200 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT | 1 | 200 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 3 | 24120 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 3 | 14300 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 5000 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 0 | 9820 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 0 | 2000 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 0 | 12230 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 3 | 12230 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 0 | 0 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR GUYANA

PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|----|-------|
| NO TREATMENT | 3 | 12230 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 4 | 22300 |
| RELIABLE SECONDARY TREATMENT | 10 | 18200 |
| TERtiARY TREATMENT | 0 | 0 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|---|-------|
| None (No Project) | 1 | 14700 |
| NO ACTION | 5 | 20700 |
| ACTION INITIATED | 0 | 0 |
| STEP ONE | 6 | 8050 |
| STEP TWO | 0 | 0 |
| STEP THREE | 0 | 9280 |
| CONSTRUCTION COMPLETE | 0 | 0 |

1935 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR GUYANDOT

| MUNICIPAL FACILITIES | POPULATION |
|--|------------|
| A. FACILITIES NOT REQUIRING PROGRAM | 17 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 0 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 |
| D. PROGRAM STATUS: | 0 |
| • NO ACTION | 0 |
| • IN PREPARATION OR INITIAL SUBMITTAL | 0 |
| • UNDER SECONDARY/FINAL PREPARATION | 0 |
| • OR STATE - U.S.E.P.A. REVIEW | 0 |
| • APPROVED PROGRAM | 0 |
| • UNKNOWN | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR BIG SANDY
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|-------------------------------|--------------------------|
| TOTAL, NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 21 14 7 0 | \$2619 30686 21933 0 | 6 6 0 0 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | | | |
| 1. UPGRADE TO SECONDARY TREATMENT SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 1 | 3420 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 3420 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 4 | 15020 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 4 | 15020 70000 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 2 | 3493 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 2 | 3493 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| E. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 6 | 8496 | 0 |
| A. SECONDARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 3 | 6950 | 0 |
| B. TERTIARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 2 | 4450 1546 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR BIG SANDY PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|----|-----|
| NO TREATMENT | 8 | 84% |
| LESS THAN RELIABLE SECONDARY TREATMENT | 5 | 17% |
| RELIABLE SECONDARY TREATMENT | 16 | 34% |
| TERINARY TREATMENT | 0 | 0% |
| NONCONVENTIONAL T.R. MEETING REQUIREMENTS | 0 | 0% |
| NONCONVENTIONAL T.R. NOT MEETING REQUIREMENTS | 0 | 0% |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|---|-----|
| NONE (NO PROJECT) | 6 | 89% |
| NO ACTION | 2 | 25% |
| ACTION INITIATED | 1 | 12% |
| STEP ONE | 0 | 0% |
| STEP TWO | 3 | 38% |
| STEP THREE | 4 | 50% |
| CONSTRUCTION COMPLETE | 0 | 0% |

1985 URSANCO WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR BIG SANDY

| MUNICIPAL FACILITIES | POPULATION |
|---|------------|
| A. FACILITIES NOT REQUIRING PROGRAM | 29 |
| B. FACILITIES REQUIRING PRE-TREATMENT PROGRAM | 0 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 |
| D. PROGRAM STATUS: | |
| NO ACTION | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 |
| UNDER SECONDARY/FINAL PREPARATION | 0 |
| OR STATE - U.S.E.P.A. REVIEW | 0 |
| APPROVED PROGRAM | 0 |
| UNKNOWN | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR SCIOTO
SUMMARY OF FACILITY NEEDSPAGE ONE
I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 65 | 1009466 | 19 11 |
| NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 30 | 161224 | 14 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 35 | 848242 | 5 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 8 | 35806 | 4 |
| 1. UPGRADE TO SECONDARY TREATMENT SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 840 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT TERTIARY UPGRADES UNDER CONSTRUCTION | 7 | 34966 | 0 |
| 3. FACILITIES NEEDING EXPANSION 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 5 | 36190 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 30010 | 0 |
| 3. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 2 | 8680 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 14 | 316912 | 1 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 1340 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 315572 | 0 |
| 3. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 13 | 15696 | 0 |
| E. FACILITIES NEEDING REPLACEMENT | 6 | 450654 | 0 |
| F. NEW FACILITIES | 14 | 10925 | 0 |
| TOTAL | 65 | 6544 | 0 |
| A. SECONDARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 6 | 0 | 0 |
| B. TERTIARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 0 | 4381 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR SCIOTO
PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|----|--------|
| NO TREATMENT | 14 | 10925 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 2 | 2080 |
| RELIABLE SECONDARY TREATMENT | 37 | 846502 |
| TERtiARY TREATMENT | 26 | 140854 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|----|--------|
| NONE (NO PROJECT) | 20 | 90974 |
| NO ACTION | 17 | 18629 |
| ACTION INITIATED | 5 | 36680 |
| STEP ONE | 21 | 306075 |
| STEP TWO | 5 | 455477 |
| STEP THREE | 4 | 45706 |
| CONSTRUCTION COMPLETE | 0 | 0 |

1985 OKLAHOMA WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR SCIOTO

| MUNICIPAL FACILITIES | | POPULATION | |
|-------------------------|---|------------|--------|
| A. | FACILITIES NOT REQUIRING PROGRAM | 67 | 144724 |
| B. | FACILITIES REQUIRING PRETREATMENT PROGRAM | 11 | 874914 |
| C. | FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. | PROGRAM STATUS: | | |
| | NO ACTION | 0 | 0 |
| | IN PREPARATION OR INITIAL SUBMITTAL | 0 | 0 |
| | OR STATE - U.S.E.P.A. REVIEW | 0 | 0 |
| | APPROVED PROGRAM | 11 | 874914 |
| | UNKNOWN | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR LITTLE MIAMI
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 25 | 225029 | 2 |
| NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 5 | 48776 | 1 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 3 | 176253 | 1 |
| 1. UPGRADE TO SECONDARY TREATMENT | 0 | 0 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 3 | 35563 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 1 | 8410 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 1 | 8410 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 14 | 122140 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 14 | 122140 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 2 | 70820 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 2 | 10140 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| E. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 3 | 1767 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 0 | 0 | 0 |
| B. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. TERTIARY TREATMENT REQUIRED | 3 | 1707 | 0 |
| D. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR LITTLE MIAMI PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|----|--------|
| NO TREATMENT | 3 | 1707 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 1 | 2220 |
| RELIABLE SECONDARY TREATMENT | 18 | 165623 |
| TERtiARY TREATMENT | 4 | 57186 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 1 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|----|-------|
| NONE (NO PROJECT) | 4 | 43106 |
| NO ACTION | 4 | 5303 |
| ACTION INITIATED | 2 | 2210 |
| STEP ONE | 10 | 63707 |
| STEP TWO | 5 | 35920 |
| STEP THREE | 2 | 70820 |
| CONSTRUCTION COMPLETE | 0 | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR LITTLE MIAMI

| | MUNICIPAL FACILITIES | POPULATION |
|---|-------------------------|------------|
| A. FACILITIES NOT REQUIRING PROGRAM | 17 | 78363 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 11 | 148373 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 0 | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 | 0 |
| UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | 3 | 10580 |
| APPROVED PROGRAM | 6 | 137793 |
| UNKNOWN | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR LICKING

SUMMARY OF FACILITY NEEDS

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|-------------------------------|--------------------------|
| TOTAL NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 15 10 5 1 | 70911 63658 7253 433 | 2 2 0 0 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | | | |
| 1. UPGRADE TO SECONDARY TREATMENT | 1 | 433 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 0 | 0 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 0 | 0 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 1 | 1380 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION | 1 | 1380 | 0 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION | 0 | 0 | 0 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 0 | 5440 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 0 | 5440 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 1 | 2480 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II NEW FACILITIES | 1 | 1970 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 1 | 1970 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 0 | 0 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR LICKING PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|----|-------|
| NO TREATMENT | 1 | 1970 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 1 | 1380 |
| RELIABLE SECONDARY TREATMENT | 10 | 37481 |
| TERtiARY TREATMENT | 4 | 32050 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|---|-------|
| NONE (NO PROJECT) | 6 | 52638 |
| NO ACTION | 2 | 2403 |
| ACTION INITIATED | 1 | 1380 |
| STEP ONE | 3 | 0 |
| STEP TWO | 0 | 10780 |
| STEP THREE | 1 | 0 |
| CONSTRUCTION COMPLETE | 0 | 2430 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR LICKING

| MUNICIPAL FACILITIES | | POPULATION |
|-------------------------|---|------------|
| A. | FACILITIES NOT REQUIRING PRETREATMENT PROGRAM | 12 |
| B. | FACILITIES REQUIRING PRETREATMENT PROGRAM | 4 |
| C. | FACILITIES - PROGRAM NEEDS UNKNOWN | 0 |
| D. | PROGRAM STATUS: | |
| | NO ACTION | 0 |
| | IN PREPARATION OR INITIAL SUBMITTAL | 0 |
| | UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | 0 |
| | APPROVED PROGRAM | 4 |
| | UNKNOWN | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR MIAMI

SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 69 | 1154458 | 21 |
| NO IDENTIFIED NEEDS | 29 | 527477 | 1 |
| IMPROVEMENTS NEEDED | 40 | 626931 | 1 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 16 | 49664 | 1 |
| | | | |
| 1. UPGRADE TO SECONDARY TREATMENT | 2 | 13970 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 14 | 35694 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 14 | 35694 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 1 | 15000 | 0 |
| | | | |
| 1. FACILITIES WITH SECONDARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 1 | 15000 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 15000 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 20 | 520427 | 0 |
| | | | |
| 1. UPGRADE TO SECONDARY + EXPANSION | 2 | 32800 | 0 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION | 18 | 487627 | 0 |
| PROJECTS UNDER CONSTRUCTION | 18 | 487627 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 3 | 279457 | 0 |
| | | | |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 3 | 41890 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| E. NEW FACILITIES | 4 | 1543 | 0 |
| | | | |
| TOTAL | 4 | 1 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 1 | 852 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 3 | 691 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 1 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1995 SURVEY
TALLY FOR MIAMI PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | |
|----------------------|---|
| NO TREATMENT | LESS THAN RELIABLE SECONDARY TREATMENT |
| RELIEF | RELIABLE SECONDARY TREATMENT |
| TREATMENT | TERtiARY TREATMENT |
| NONCONVENTIONAL TRT. | NONINCONVENTIONAL TRT. |
| NONCONVENTIONAL TRT. | MEETING REQUIREMENTS |
| NONCONVENTIONAL TRT. | NOT MEETING REQUIREMENTS |

SUMMARY OF PHASE OF PROJECT

```

graph TD
    A[NO ACTION] --> B[STEP ONE]
    B --> C[STEP TWO]
    C --> D[ACTION INITIATED]
    D --> E[CONSTRUCTION]
    E --> F[NO PROJECT]
    
```

4 0 0 0

5400600

000001

20000100

1985 ORSANCO WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR MIAMI

| MUNICIPAL FACILITIES | POPULATION |
|--|------------|
| <hr/> | |
| A. FACILITIES NOT REQUIRING PROGRAM | 52 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 21 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 |
| D. PROGRAM STATUS: | |
| • NO ACTION | 0 |
| • IN PREPARATION OR INITIAL SUBMITTAL | 3 |
| • UNDER SECONDARY/FINAL PREPARATION | 0 |
| • OR STATE - U.S.E.P.A. REVIEW | |
| • APPROVED PROGRAM | 18 |
| • UNKNOWN | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR MUSKINGUM

| MUNICIPAL FACILITIES | POPULATION |
|---------------------------------------|------------|
| A. FACILITIES NOT REQUIRING PROGRAM | 115 |
| B. FACILITIES REQUIRING PRETREATMENT | 20 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 |
| D. PROGRAM STATUS: | |
| NO ACTION | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 |
| UNDER SECONDARY/FINAL PREPARATION | 0 |
| OR STATE - U.S.E.P.A. REVIEW | 0 |
| APPROVED PROGRAM | 20 |
| UNKNOWN | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR LITTLE KANAWHA

SUMMARY OF FACILITY NEEDS

I EXISTING FACILITIES

PAGE ONE

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 9 | 22628 | 1 |
| NO IDENTIFIED NEEDS | 7 | 17628 | 1 |
| IMPROVEMENTS NEEDED | 2 | 5000 | 0 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 1 | 3000 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT | 1 | 3000 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 0 | 0 | 0 |
| TERTIARY UPGRADERS UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 0 | 0 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 1 | 2000 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION | 0 | 0 | 0 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION | 1 | 2000 | 0 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 0 | 0 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 0 | 0 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 4 | 4520 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 3 | 3520 | 0 |
| A. NEW FACILITIES UNDER CONSTRUCTION | 1 | 2420 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 1 | 1000 | 0 |
| B. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR LITTLE KANAWHA PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|---|-------|
| NO TREATMENT | 4 | 4520 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 0 | 0 |
| RELIABLE SECONDARY TREATMENT | 8 | 14828 |
| TERTIARY TREATMENT | 1 | 7800 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 1 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|---|-------|
| NONE (NO PROJECT) | 7 | 15628 |
| NO ACTION | 0 | 0 |
| ACTION INITIATED | 2 | 0 |
| STEP ONE | 2 | 7000 |
| STEP TWO | 1 | 1100 |
| STEP THREE | 1 | 1000 |
| CONSTRUCTION COMPLETE | 0 | 2420 |

1985 OKSANCOW WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR LITTLE KANAWHA

| | MUNICIPAL FACILITIES | POPULATION |
|--|-------------------------|------------|
| III. SPECIAL DATA SUMMARY - 1985 | | |
| A. FACILITIES NOT REQUIRING PRETREATMENT PROGRAM | 13 | 27148 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 0 | 0 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 0 | 0 |
| IN PREPARATION OR INITIAL SUBMITIAL | 0 | 0 |
| UNDER SECONDARY/FINAL PREPARATION | 0 | 0 |
| OR STATE - U.S.E.P.A. REVIEW | 0 | 0 |
| APPROVED PROGRAM | 0 | 0 |
| UNKNOWN | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR HUCK (IN)

SUMMARY OF FACILITY NEEDS

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|---|----------------------|------------|-----------------------|
| TOTAL | 10 | 87749 | 4 |
| NO IDENTIFIED NEEDS | 4 | 31089 | 4 |
| IMPROVEMENTS NEEDED | 6 | 56660 | 0 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 1 | 1420 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT | 0 | 0 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 1 | 1420 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 2 | 11950 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 11950 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 2 | 41820 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 4920 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 36900 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 1 | 36900 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 1 | 1470 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II. NEW FACILITIES | 7 | 7628 | 2256 |
| TOTAL | 7 | 2 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 0 | 0 | 0 |
| 1. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. TERTIARY TREATMENT REQUIRED | 5 | 5370 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES IN THE STATE
TALLY FOR HIGHLIGHTS PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | | |
|---|----|--------|---|
| NO TREATMENT | 7 | 7628 | 4 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 1 | 1470 | 0 |
| RELIABLE SECONDARY TREATMENT | 9 | \$6279 | 0 |
| TERtiARY TREATMENT | 0 | 0 | 0 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 | 0 | 0 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 | 0 |
| SUMMARY OF PHASE OF PROJECT | | | |
| NONE (NO PROJECT) | 0 | 30620 | 4 |
| NO ACTION | 10 | 19148 | 0 |
| ACTION INITIATED | 0 | 0 | 0 |
| STEP ONE | 1 | 6760 | 0 |
| STEP TWO | 0 | 0 | 0 |
| STEP THREE | 2 | 33370 | 0 |
| CONSTRUCTION COMPLETE | 0 | 0 | 0 |

1978 URGENT WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR HUCKINS

| III. SPECIAL DATA SUMMARY - 1978 | | MUNICIPAL FACILITIES | POPULATION |
|----------------------------------|---------------------------------------|-------------------------|------------|
| A. | FACILITIES NOT REQUIRING PROGRAM | 14 | 46,797 |
| B. | FACILITIES REQUIRING EFFLUENT PROGRAM | 3 | 42,539 |
| C. | FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. | PROGRAM STATUS: | | |
| | NO ACTION | 0 | 0 |
| | IN PREPARATION OR INITIAL SUBMISSION | 0 | 0 |
| | UNDER SECONDARY/FINAL PREPARATION | 0 | 0 |
| | OR STATE - U.S. E.P.A. REVIEW | 0 | 0 |
| | APPROVED PROGRAM | 42510 | |
| | UNKNOWN | 0 | |

STATUS OF WASTEWATER FACILITIES 1955 SURVEY

TOWN FOR KENTUCKY
SUMMARY OF FACILITY NEEDS

PAGE ONE

I. EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INFRASTRUCTURE FACILITIES |
|--|-------------------------|------------|------------------------------|
| TOTAL NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 42 | 370530 | 0 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 22 | 124835 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT | 14 | 243753 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 1 | 755 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 1 | 755 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 0 | 0 | 0 |
| D. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 4 | 153230 | 0 |
| E. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 150300 | 0 |
| F. FACILITIES MEETING INCREASED TREATMENT + CAPACITY | 1 | 54000 | 0 |
| G. FACILITIES NEEDING EXPANSION | 1 | 17516 | 0 |
| H. FACILITIES NEEDING REPLACEMENT | 0 | 0 | 0 |
| I. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 6 | 3630 | 0 |
| J. CURRENTLY WITH TERTIARY TREATMENT | 2 | 3880 | 0 |
| K. FACILITIES NEEDING RELOCATION | 0 | 13630 | 0 |
| L. NEW FACILITIES | 0 | 3630 | 0 |
| TOTAL | 4 | 16260 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 4 | 5628 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 1 | 1000 | 0 |
| C. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

**STATUS OF WASTEWATER FACILITIES 12/31 SURVEY
TALLY FOR KENTUCKY PAGE TWO**

SOMMERTHEATY OF TYPE 304 STAINLESS STEEL IN THE NITR

NO TREATMENT
LESS THAN RELIABLE SECONDARY TREATMENT
RELIABLE SECONDARY TREATMENT
TERTINARY REAFTMENT
NONCONVENTIONAL TLT
MEETING REQUIREMENTS
NONCONVENTIONAL TLT, NOT MEET TLT REQUIREMENTS

SUMMARY OF PHASE ONE OF PROJECT

NONE (NO PROJECT)
NO ACTION

**STEP ONE
STEP TWO
STEP THREE
CONSTRUCTION COMPLETE**

LAWRENCE WASTEWATER FACILITIES SURVEY
OFFICIAL DATA SUMMARY FOR FENTON

| PLANT TYPE | | FACILITIES | | FILTRATION | |
|---------------------------------------|--------------------------------|------------|----|------------|---|
| A. | NO REQUIREMENT PROGRAM | 0 | 0 | 50186 | 0 |
| B. | REQUIRING PRETREATMENT PROGRAM | 14 | 13 | 326030 | 0 |
| C. | PROGRAM NEED UNKNOWN | 0 | 0 | 0 | 0 |
| D. | PROGRAM STATUS: | 0 | 0 | 0 | 0 |
| . NO ACTION | | | | | |
| . IN PREPARATION OR INITIAL SUBMITTAL | | | | | |
| . UNDER SECONDARY/FINAL PREPARATION | | | | | |
| . OR STATE = U.S.E.P.A. REVIEW | | | | | |
| . APPROVED PROGRAM | | | | | |
| . UNKNOWN | | | | | |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR SALT

PAGE ONE

SUMMARY OF FACILITY NEEDS

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 71 | 261625 | 9 |
| NO IDENTIFIED NEEDS: | 44 | 124950 | 5 |
| IMPROVEMENTS NEEDED | 47 | 124635 | 0 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 37 | 39708 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT | 1 | 36977 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 1 | 36977 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 0 | 52731 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 2 | 5680 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT | 2 | 5680 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 4160 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT | 0 | 0 | 0 |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 4 | 11797 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION | 1 | 897 | 0 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION | 3 | 10900 | 0 |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 4 | 19250 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 3 | 11270 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT | 1 | 7880 | 0 |
| REPLACEMENTS UNDER CONSTRUCTION | 1 | 7820 | 0 |
| II NEW FACILITIES | | | |
| TOTAL | 1 | 10000 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 0 | 0 | 0 |
| 1. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. TERTIARY TREATMENT REQUIRED | 1 | 10000 | 0 |
| 1. NEW FACILITIES UNDER CONSTRUCTION | 1 | 10000 | 0 |

STATES OF WASTEWATER FACILITIES 1995 SURVEY
TANDEM FIVE STATE PAGE TWO

SYNTHESY OF LIFE-TREATMENT

| | | |
|--------------------------------|-----------|--------------------|
| NO TREATMENT | LETHALITY | INDIRECT TREATMENT |
| UNRELIABLE SECONDARY TREATMENT | | |
| TERtiARY TREATMENT | | |
| NONCONVENTIONAL TREATMENT | | |
| NONCONVENTIONAL TREATMENT | | |

ALIMENTARY AND PHYSICAL EFFECTS

| |
|------------------------|
| NONE (NO PROJECT) |
| NO ACTION |
| ACTION INITIATED |
| STEP ONE |
| STEP TWO |
| STEP THREE |
| CONSTRUCTION COMPLETED |

1-182200

42006043

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0
500370
9147
67041
132820

© 2010

W E B S I T E

1975 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR SALT

| MUNICIPAL FACILITIES | POPULATION |
|---|------------|
| A. FACILITIES NOT REQUIRING PROGRAM | 156765 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 66490 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 39370 |
| D. PROGRAM STATUS: | |
| NO ACTION | 0 |
| IN PREPARATION OR INITIAL SUBMITAL | 0 |
| UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | 0 |
| APPROVED PROGRAM | 7 |
| UNKNOWN | 0 |

STATUS OF WASTEWATER FACILITIES IN THE SURVEY

TALLY FOR GREEN
SUMMARY OF FACILITY NEEDS

PAGE ONE

I. EXISTING FACILITIES

| | MUNICIPAL FACILITIES | FIRMFALL FACILITIES | INDUSTRIAL FACILITIES |
|--|-------------------------|------------------------|--------------------------|
| TOTAL | 35 | 243028 | 6 |
| NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 26 | 223718 | 6 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 2 | 24320 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT | 0 | 3390 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 1600 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 0 | 0 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 0 | 0 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 0 | 12790 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 12790 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 0 | 8700 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 0 | 8140 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 1 | 7560 | 0 |
| E. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 0 | 0 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 0 | 0 | 0 |
| B. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. TERTIARY TREATMENT REQUIRED | 0 | 0 | 0 |
| D. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITY SURVEY
TALLY FOR GREEN PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | |
|---|----|
| NO TREATMENT | 0 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 0 |
| RELIABLE SECONDARY TREATMENT | 25 |
| TERtiARY TREATMENT | 10 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 |

SUMMARY OF PHASE OF PROJECT

| | |
|-----------------------|----|
| NONE (NO PROJECT) | 15 |
| NO ACTION | 1 |
| ACTION INITIATED | 4 |
| STEP ONE | 6 |
| STEP TWO | 1 |
| STEP THREE | 2 |
| CONSTRUCTION COMPLETE | 0 |

1975 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR GREEN

| | MUNICIPAL FACILITIES | POPULATION |
|---|-------------------------|------------|
| A. FACILITIES NOT REQUIRING PROGRAM | 20 | 36857 |
| B. FACILITIES REQUIRING PRE-TREATMENT PROGRAM | 12 | 209201 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 0 | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 | 0 |
| UNDER SECONDARY/FINAL PREPARATION | 1 | 24251 |
| OR STATE - U.S.E.P.A. REVIEW | 1 | 184950 |
| APPROVED PROGRAM | 11 | 0 |
| UNKNOWN | 0 | 0 |

STATE OF WATERSHED TREATMENT NEEDS SURVEY

TOTAL FOR MUNICIPAL INFRASTRUCTURE NEEDS

SECONDARY OR TERTIARY INFRASTRUCTURE NEEDS

EXISTING FACILITIES

| | MUNICIPAL FACILITIES | FACILITIES | FACILITIES | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|------------|--------------------------|
| TOTAL NO. IDENTIFIED NEEDS | 311 | 2245532 | 120 | |
| IMPROVEMENTS NEEDED | 218 | 1874921 | 108 | |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 93 | 370601 | 12 | |
| | 62 | 242859 | 10 | |
| 1. UPGRADE TO SECONDARY TREATMENT | 6 | 7946 | 0 | |
| SECONDARY UPGRADS UNDER CONSTRUCTION | 0 | 0 | 0 | |
| 2. UPGRADE TO TERTIARY TREATMENT | 56 | 235013 | 0 | |
| TERTIARY UPGRADS UNDER CONSTRUCTION | 16 | 132602 | 0 | |
| B. FACILITIES NEEDING INCREASED CAPACITY | 10 | 53526 | 1 | |
| 1. FACILITIES WITH SECONDARY TREATMENT | 7 | 27386 | 0 | |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 5020 | 0 | |
| 2. FACILITIES WITH TERTIARY TREATMENT | 2 | 5630 | 0 | |
| EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 5030 | 0 | |
| 3. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 16 | 79316 | 1 | |
| 1. UPGRADE TO SECONDARY + EXPANSION | 1 | 2380 | 0 | |
| PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 | |
| 2. UPGRADE TO TERTIARY + EXPANSION | 15 | 76936 | 0 | |
| PROJECTS UNDER CONSTRUCTION | 5 | 39830 | 0 | |
| 4. FACILITIES NEEDING REPLACEMENT | 5 | 14900 | 0 | |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS | 5 | 14900 | 0 | |
| REPLACEMENTS UNDER CONSTRUCTION | 2 | 7210 | 0 | |
| 2. CURRENTLY WITH TERTIARY TREATMENT | 0 | 0 | 0 | |
| REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 | |
| C. NEW FACILITIES | | | | |
| TOTAL | 55 | 35382 | 0 | |
| A. SECONDARY TREATMENT REQUIRED | 24 | 18042 | 0 | |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 | |
| B. TERTIARY INFRASTRUCTURE REQUIRED | 31 | 17340 | 0 | |
| NEW FACILITIES UNDER CONSTRUCTION | 4 | 161 | 0 | |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR WASH

SUMMARY OF TYPE OF TREATMENT

| | | |
|---|-----|---------|
| NO TREATMENT | 55 | 35362 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 10 | 20420 |
| RELIABLE SECONDARY TREATMENT | 162 | 746357 |
| TERtiARY TREATMENT | 136 | 1465441 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 0 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 | 13 |

SUMMARY OF PHASE OF PROJECT

| | | |
|-----------------------|-----|---------|
| NONE (NO PROJECT) | 193 | 1466416 |
| NO ACTION | 23 | 22094 |
| ACTION INITIATED | 5 | 10047 |
| STEP ONE | 80 | 193361 |
| STEP TWO | 15 | 25842 |
| STEP THREE | 30 | 191623 |
| CONSTRUCTION COMPLETE | 0 | 0 |

| | |
|-----|----|
| 0 | 0 |
| 0 | 1 |
| 3 | 1 |
| 103 | 13 |

| | |
|-----|----|
| 0 | 0 |
| 0 | 1 |
| 1 | 3 |
| 103 | 13 |

| | |
|-----|----|
| 0 | 0 |
| 0 | 1 |
| 3 | 1 |
| 103 | 13 |

| | |
|-----|---------|
| 55 | 35362 |
| 10 | 20420 |
| 162 | 746357 |
| 136 | 1465441 |
| 0 | 0 |
| 0 | 13 |

| | |
|-----|----|
| 0 | 0 |
| 0 | 1 |
| 3 | 1 |
| 103 | 13 |

1979 MICHIGAN WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR WATASH

| | | FUNDING FACILITIES | | FUNDING PROGRAM | |
|----|---|-----------------------|----|--------------------|---------|
| A. | FACILITIES NOT REQUIRING PROGRAM | 331 | 35 | 776090 | 1504324 |
| B. | FACILITIES REQUIRING PRETREATMENT PROGRAM | 0 | 0 | 0 | 0 |
| C. | FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 | 42900 | 156526 |
| D. | PROGRAM STATUS: | | | | |
| | IN PREPARATION OR INITIAL SUBMITTAL | 1 | 1 | | |
| | UNDER FELTINDARY/FINAL PREPARATION | 4 | 4 | | |
| | OR STATE - U.S.E.P.A. REVIEW | 25 | 25 | 1171384 | 140010 |
| | APPROVED PROGRAM | 3 | 3 | | |
| | UNKNOWN | | | | |

STATUS OF WASTEWATER FACILITIES 1965 SURVEY

TALLY FOR CUMBERLAND
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 35 | 127004 | 6 |
| NO IDENTIFIED NEEDS | 23 | 93811 | 5 |
| IMPROVEMENTS NEEDED | 12 | 33193 | 0 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 3 | 2059 | 0 |
| | 0 | 0 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT | 0 | 0 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 3 | 2059 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 2 | 4120 | 0 |
| | 0 | 0 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 4120 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 4 | 15464 | 0 |
| | 0 | 0 | 0 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 12910 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 11800 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 0 | 2554 | 0 |
| | 0 | 0 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 3 | 11550 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| E. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 1 | 1180 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 1 | 1180 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 1 | 1180 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 0 | 0 | 0 |
| NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR CUMBERLAND PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | |
|---|----|
| NO TREATMENT | 1 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 0 |
| RELIABLE SECONDARY TREATMENT | 26 |
| TERtiARY TREATMENT | 9 |
| NONCONVENTIONAL T.R.T. MEETING REQUIREMENTS | 0 |
| NONCONVENTIONAL T.R.T. NOT MEETING REQUIREMENTS | 0 |

| | |
|---|-------|
| NO TREATMENT | 1180 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 0 |
| RELIABLE SECONDARY TREATMENT | 75423 |
| TERtiARY TREATMENT | 51581 |
| NONCONVENTIONAL T.R.T. MEETING REQUIREMENTS | 0 |
| NONCONVENTIONAL T.R.T. NOT MEETING REQUIREMENTS | 0 |

SUMMARY OF PHASE OF PROJECT

| | |
|-----------------------|----|
| NONE (NO PROJECT) | 16 |
| NO ACTION | 0 |
| ACTION INITIATED | 2 |
| STEP ONE | 0 |
| STEP TWO | 0 |
| STEP THREE | 1 |
| CONSTRUCTION COMPLETE | 5 |
| | 0 |

| | |
|---|-------|
| NO TREATMENT | 54505 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 0 |
| RELIABLE SECONDARY TREATMENT | 4630 |
| TERtiARY TREATMENT | 1652 |
| NONCONVENTIONAL T.R.T. MEETING REQUIREMENTS | 22161 |
| NONCONVENTIONAL T.R.T. NOT MEETING REQUIREMENTS | 1920 |
| | 24530 |
| | 0 |

1985 URGANCO WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR CUMBERLAND

| | MUNICIPAL FACILITIES | POPULATION |
|---|-------------------------|------------|
| III. SPECIAL DATA SUMMARY - 1985 | | |
| A. FACILITIES NOT REQUIRING PROGRAM | 27 | 54254 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 3 | 73930 |
| C. FACILITIES PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 1 | 2640 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 | 0 |
| UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S.E.P.A. REVIEW | 1 | 11800 |
| APPROVED PROGRAM | 7 | 59470 |
| UNKNOWN | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR OHIO RIVER MINOR TRIBUTARIES
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|---|-------------------------|------------|--------------------------|
| TOTAL | 185 | 587779 | 23 |
| NO IDENTIFIED NEEDS (IMPROVEMENTS NEEDED) | 103 | 395704 | 19 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 82 | 192075 | 4 |
| 1. UPGRADE TO SECONDARY TREATMENT SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 58442 | 3 |
| 2. UPGRADE TO TERTIARY TREATMENT TERTIARY UPGRADES UNDER CONSTRUCTION | 27 | 1292 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 5 | 57150 | 0 |
| C. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 4 | 14640 | 0 |
| D. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 15270 | 0 |
| E. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 6 | 9350 | 0 |
| F. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 3030 | 0 |
| G. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 5920 | 0 |
| H. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 0 | 0 | 1 |
| I. FACILITIES NEEDING REPLACEMENT | 32 | 68873 | 0 |
| J. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 4 | 5280 | 0 |
| K. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| L. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 28 | 63593 | 0 |
| M. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 2 | 1750 | 0 |
| N. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 15 | 49490 | 0 |
| O. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 15 | 49490 | 0 |
| P. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 3 | 9730 | 0 |
| Q. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| R. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| S. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| T. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| U. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| V. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| W. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| X. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| Y. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| Z. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| AA. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| BB. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| CC. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| DD. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| EE. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| FF. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| GG. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| HH. FACILITIES NEEDING EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II. NEW FACILITIES | 1 | 1 | 1 |
| TOTAL | 33 | 28341 | 0 |
| A. SECONDARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 12 | 13396 | 0 |
| B. TERTIARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 1 | 500 | 0 |
| | 21 | 15445 | 0 |
| | 1 | 736 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR OHIO RIVER MINOR TRIBUTARIES

PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | | |
|---|-----|--------|----|
| NO TREATMENT | 33 | 28841 | 19 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 9 | 18556 | 5 |
| RELIABLE SECONDARY TREATMENT | 118 | 34465 | 1 |
| TERTIAL TREATMENT | 56 | 224756 | 0 |
| NONCONVENTIONAL TRT. MEETING REQUIREMENTS | 0 | 0 | 2 |
| NONCONVENTIONAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 | 1 |

SUMMARY OF PHASE OF PROJECT

| | | | |
|-----------------------|----|--------|----|
| NONE (NO PROJECT) | 99 | 393517 | 19 |
| NO ACTION | 60 | 85661 | 5 |
| ACTION INITIATED | 5 | 17549 | 1 |
| STEP ONE | 27 | 72927 | 0 |
| STEP TWO | 12 | 15076 | 2 |
| STEP THREE | 13 | 30386 | 1 |
| CONSTRUCTION COMPLETE | 0 | 0 | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR OHIO RIVER MINOR TRIBUTARIES

| | MUNICIPAL FACILITIES | POPULATION |
|--|-------------------------|------------|
| III. SPECIAL DATA SUMMARY - 1985 | | |
| A. FACILITIES NOT REQUIRING PRETREATMENT PROGRAM | 212 | 525240 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 6 | 91380 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 0 | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 | 0 |
| UNDER SECONDARY/FINAL PREPARATION OR STATE - U.S. E.P.A. REVIEW | 0 | 0 |
| APPROVED PROGRAM | 6 | 91380 |
| UNKNOWN | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR TENNESSEE
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

PAGE ONE

| | MUNICIPAL FACILITIES | PUPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 32 | 82211 | 10 |
| NO IDENTIFIED NEEDS | 19 | 60655 | 9 |
| IMPROVEMENTS NEEDED | 13 | 27556 | 1 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 5 | 5535 | 1 |
| 1. UPGRADE TO SECONDARY TREATMENT | 3 | 3612 | 0 |
| SECONDARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT | 2 | 1923 | 0 |
| TERTIARY UPGRADES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 1 | 2110 | 0 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 3110 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 6 | 14791 | 0 |
| 1. UPGRADE TO SECONDARY TREATMENT + EXPANSION PROJECTS UNDER CONSTRUCTION | 5 | 9791 | 0 |
| 2. UPGRADE TO TERTIARY TREATMENT + EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 5000 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 1 | 4120 | 0 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 1 | 4120 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| II NEW FACILITIES | 1 | 0 | 0 |
| TOTAL | 1 | 350 | 0 |
| A. SECONDARY TREATMENT REQUIRED | 1 | 350 | 0 |
| A. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |
| B. TERTIARY TREATMENT REQUIRED | 0 | 0 | 0 |
| B. NEW FACILITIES UNDER CONSTRUCTION | 0 | 0 | 0 |

**STATUS OF WASTEWATER FACILITIES 1985 SURVEY
TALLY FOR TENNESSEE**

SUMMARY OF TYPE OF TREATMENT

| | | | |
|----------------------|---------------------------------|----------------------|--------------------------|
| NO TREATMENT | LESS THAN RELIABLE TREATMENT | SECONDARY TREATMENT | MEETING REQUIREMENTS |
| NONCONVENTIONAL TRT. | NONCONVENTIONAL TRT. | NONCONVENTIONAL TRT. | NOT MEETING REQUIREMENTS |
| NONCONVENTIONAL TRT. | NONCONVENTIONAL TRT. | NONCONVENTIONAL TRT. | NOT MEETING REQUIREMENTS |
| NONCONVENTIONAL TRT. | NONCONVENTIONAL TRT. | NONCONVENTIONAL TRT. | NOT MEETING REQUIREMENTS |

SUMMARY OF PHASE OF PROJECT

None (No Project)
No Action
Action Initiated
Step One
Step Two
Step Three
Construction Complete

| | | | | | |
|-------|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 350 | | | | | |
| 13403 | | | | | |
| 41408 | | | | | |
| 28400 | | | | | |
| ; | | | | | |
| 1 | 9 | 9 | 4 | 0 | 0 |

9 0 0 1 0 0 0

| | | | | | |
|-------|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 350 | | | | | |
| 13403 | | | | | |
| 41408 | | | | | |
| 28400 | | | | | |
| 0 | | | | | |
| ; | | | | | |

STATUS OF WASTEWATER FACILITIES 1995 SURVEY
TALLY FOR KANAWHA PAGE TWO

SUMMARY OF TYPE OF TREATMENT

| | | | |
|---|----|--------|---|
| NO TREATMENT | 22 | 90447 | 2 |
| LESS THAN RELIABLE SECONDARY TREATMENT | 28 | 81075 | 9 |
| RELIABLE SECONDARY TREATMENT | 51 | 426059 | 9 |
| TERtiARY TREATMENT | 5 | 50530 | 0 |
| NONCONVENTIAL TRT. MEETING REQUIREMENTS | 0 | 0 | 0 |
| NONCONVENTIAL TRT. NOT MEETING REQUIREMENTS | 0 | 0 | 0 |

SUMMARY OF PHASE OF PROJECT

| | | | |
|-----------------------|----|--------|----|
| NONE (NO PROJECT) | 32 | 315966 | 20 |
| NO ACTION | 5 | 8690 | 3 |
| ACTION INITIATED | 11 | 50310 | 1 |
| STEP ONE | 21 | 136074 | 4 |
| STEP TWO | 13 | 33435 | 1 |
| STEP THREE | 19 | 90923 | 1 |
| CONSTRUCTION COMPLETE | 0 | 0 | 0 |

1985 ORGANIC WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR KANAWHA

| | MUNICIPAL FACILITIES | POPULATION |
|--|-------------------------|------------|
| III. SPECIAL DATA SUMMARY - 1985 | | |
| A. FACILITIES NOT REQUIRING PROGRAM | 102 | 510181 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 4 | 137930 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 0 | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 | 0 |
| UNDER SECONDARY/FINAL PREPARATION | 2 | 52650 |
| OR STATE :: U.S.E.P.A. REVIEW | 2 | 85280 |
| APPROVED PROGRAM | 0 | 0 |
| UNKNOWN | | |

1985 ORSANC CO WASTEWATER FACILITIES SURVEY
SPECIAL DATA SUMMARY FOR TENNESSEE

| | MUNICIPAL FACILITIES | POPULATION |
|--|-------------------------|------------|
| III. SPECIAL DATA SUMMARY - 1985 | | |
| A. FACILITIES NOT REQUIRING PROGRAM | 30 | 65481 |
| B. FACILITIES REQUIRING PRETREATMENT PROGRAM | 2 | 22630 |
| C. FACILITIES - PROGRAM NEEDS UNKNOWN | 0 | 0 |
| D. PROGRAM STATUS: | | |
| NO ACTION | 0 | 0 |
| IN PREPARATION OR INITIAL SUBMITTAL | 0 | 0 |
| UNDER SECONDARY/FINAL PREPARATION | 0 | 0 |
| OR STATE - U.S.E.P.A. REVIEW | 0 | 0 |
| APPROVED PROGRAM | 2 | 22630 |
| UNKNOWN | 0 | 0 |

STATUS OF WASTEWATER FACILITIES 1985 SURVEY

TALLY FOR KANAWHA
SUMMARY OF FACILITY NEEDS

PAGE ONE

I EXISTING FACILITIES

| | MUNICIPAL FACILITIES | POPULATION | INDUSTRIAL FACILITIES |
|--|-------------------------|------------|--------------------------|
| TOTAL | 84 | 557,644 | 29 |
| NO IDENTIFIED NEEDS IMPROVEMENTS NEEDED | 41 | 34,1079 | 21 |
| A. FACILITIES NEEDING INCREASED TREATMENT LEVEL | 43 | 215,585 | 3 |
| 1. UPGRADE TO SECONDARY TREATMENT SECONDARY UPGRADES UNDER CONSTRUCTION | 5 | 9095 | 2 |
| 2. UPGRADE TO TERTIARY TREATMENT TERTIARY UPGRADES UNDER CONSTRUCTION | 1 | 100 | 0 |
| B. FACILITIES NEEDING INCREASED CAPACITY | 6 | 27,075 | 5 |
| 1. FACILITIES WITH SECONDARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 17,980 | 0 |
| 2. FACILITIES WITH TERTIARY TREATMENT EXPANSION PROJECTS UNDER CONSTRUCTION | 0 | 0 | 0 |
| C. FACILITIES NEEDING INCREASED TREATMENT + CAPACITY | 0 | 0 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 27 | 151,057 | 1 |
| 1. UPGRADE TO SECONDARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 16 | 66,327 | 0 |
| 2. UPGRADE TO TERTIARY + EXPANSION PROJECTS UNDER CONSTRUCTION | 1 | 5890 | 0 |
| D. FACILITIES NEEDING REPLACEMENT | 4 | 84,730 | 1 |
| 1. CURRENTLY WITH SECONDARY TREATMENT OR LESS REPLACEMENTS UNDER CONSTRUCTION | 10 | 28,530 | 0 |
| 2. CURRENTLY WITH TERTIARY TREATMENT REPLACEMENTS UNDER CONSTRUCTION | 2 | 11,730 | 0 |
| E. NEW FACILITIES | 0 | 0 | 0 |
| TOTAL | 22 | 384,533 | 1 |
| A. SECONDARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 7 | 80,447 | 1 |
| B. TERTIARY TREATMENT REQUIRED NEW FACILITIES UNDER CONSTRUCTION | 4 | 45,010 | 0 |
| | 4 | 100,000 | 0 |
| | | 100,000 | 0 |

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