

**DETAILED SYSTEM DESIGN AND
SPECIFICATION
FEDERAL WATER SUPPLY DATA SYSTEM**

Prepared for

**THE OFFICE OF WATER SUPPLY
U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Contract No. 68-01-3308
Task Order 68-01-3910**

Prepared by

Index Systems, Inc.
One Broadway
Cambridge, Mass.

September 1976

VOLUME I

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VOLUME I

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I. INTRODUCTION

I. INTRODUCTION

The Federal Water Supply Data System is a mechanized data gathering and reporting system for use at EPA Headquarters and regional offices to process water quality data originating from the states. There are three primary functions of the system, as follows:

- . Maintain information regarding each public water system
- . Maintain deviation and enforcement information
- . Produce various reports based on these two classes of information

The system is designed to be programmed in COBOL so that it can be run on EPA's IBM 370 computer at Optimum Systems, Inc. (OSI) or on EPA's Univac 1110 at the National Computer Center. Each regional office will have access to the data files, so that regional report requests can be handled without Headquarters intervention. Information can be entered into the system via cards or on direct computer-readable input for those states using the mechanized Model State Information System (MSIS). Input will be prepared at the regional level and sent to Headquarters for combined central processing on a weekly or monthly basis depending on volume.

The remainder of this document describes in detail the design of the Federal Water Supply Data System. Six chapters are included, as follows:

- . Subsystem Description
- . Data Files and Tables
- . System Reports
- . Input Documents
- . Data Element Directory
- . Program Specifications

II. SUBSYSTEM DESCRIPTION

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The EPA Water Supply Data System consists of four separate subsystems. The subsystem relationships are summarized in Exhibit II-1, on the following page. Each subsystem performs distinct functions, as follows:

- . Input Subsystem - Validates card and MSIS input.
- . Update Subsystem - Processes transactions against the PWS Inventory and Variance and Exemption files.
- . Periodic Reporting - Produces on-request listings of selected PWS facilities and variances and exemptions.
- . Annual Reporting - Produces compliance summaries, PWS statistical reports and deviation and enforcement summaries for reporting to Congress. These programs may be run on request as well as annually.

This chapter contains a description and a detailed flowchart for each subsystem and brief functional descriptions of each program module. The programs are numbered consecutively within each subsystem. The first four positions of the program number designate the subsystem; EDIT for Input, UPDT for Update, PRRP for Periodic Reporting and ANRP for Annual Reporting.

1. INPUT SUBSYSTEM (Exhibit II-2)

The functions of this subsystem are to edit card input and to summarize detail violation data entering the system in

Exhibit II-1

U.S. ENVIRONMENTAL PROTECTION AGENCY
Overview of Federal Water Supply Data System

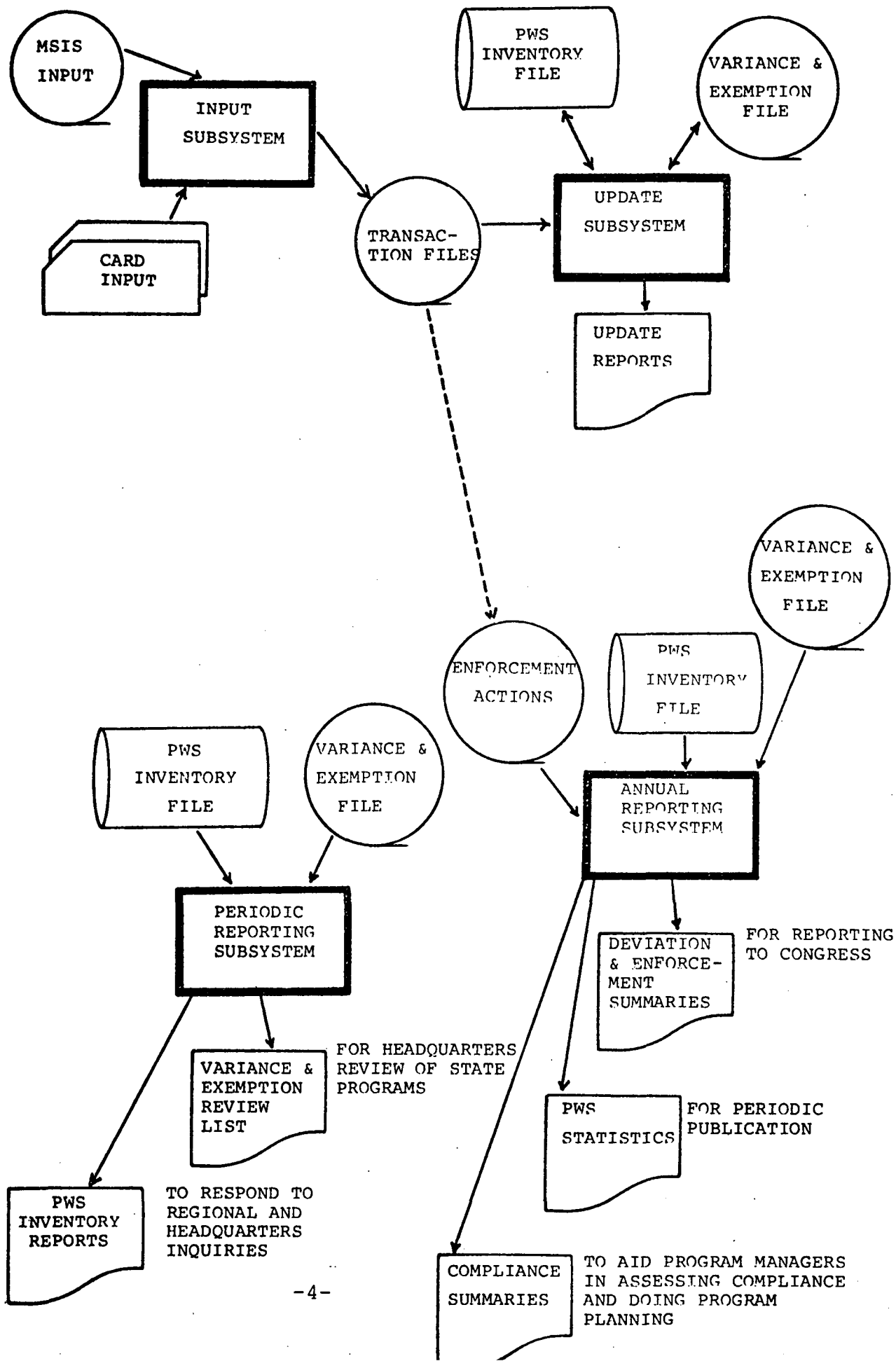
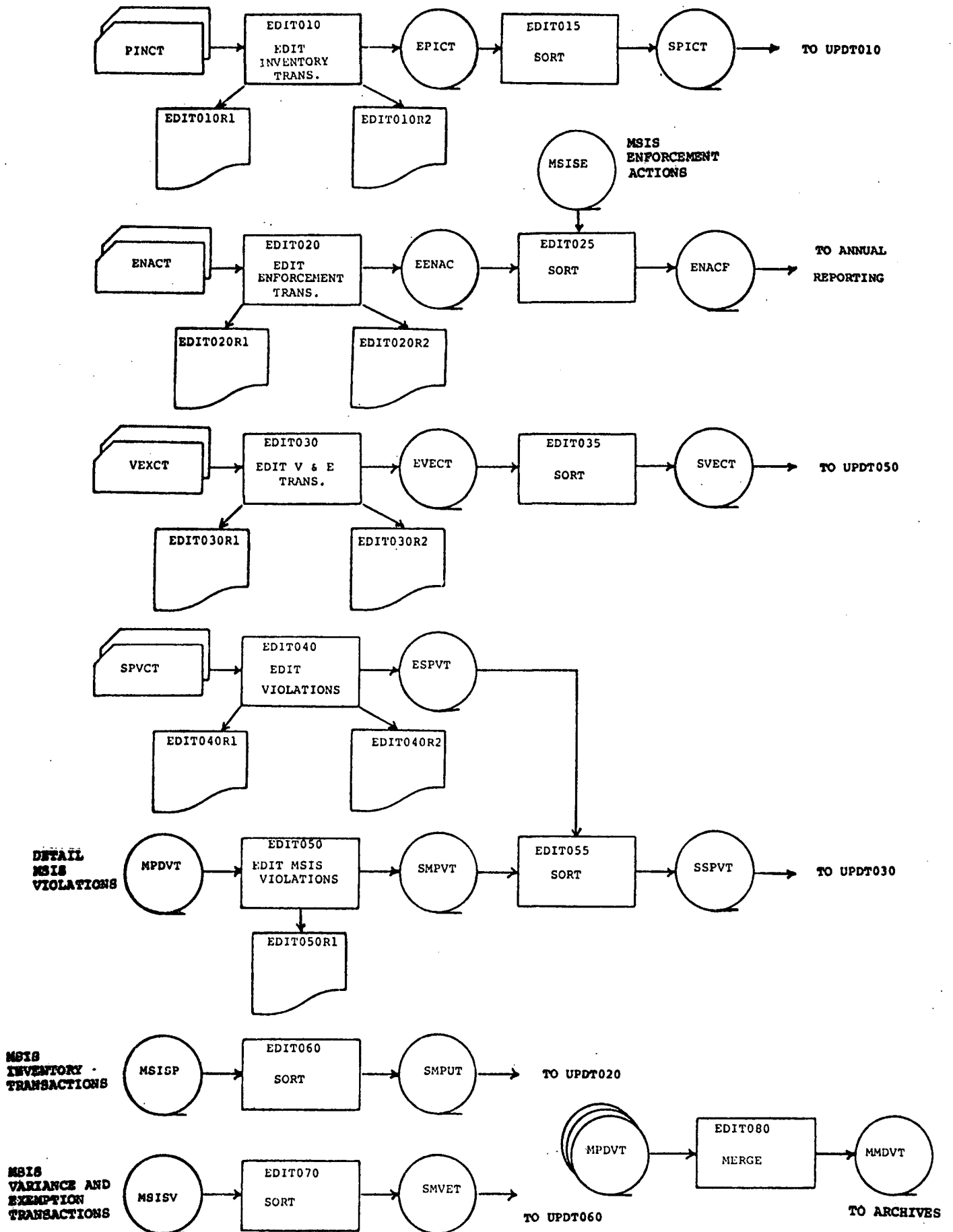


Exhibit II-2
U.S. ENVIRONMENTAL PROTECTION AGENCY
Input Subsystem



MSIS machine-readable format. Each type of transaction is edited by a separate program and creates a separate transaction output tape so that editing and updating of a particular file can be done whenever input volume justifies processing. Batch control and error lists are produced by this subsystem to aid in controlling processing and in correcting erroneous transactions. Detail transaction lists are produced for all card input which is accepted for processing. A separate control list documents the summarizing of MSIS detail violations data into summary transactions for posting to the PWS Inventory file.

Input Subsystem Program Modules

EDIT010 - Edit PWS Inventory Card Transactions

This program edits the PWS inventory card input transactions. It produces an edited tape for input to the PWS Inventory Update program UPDT010 after sorting, a detailed Transaction Report and a Batch Control and Error Report.

EDIT015 - Sort PWS Inventory Card Transactions

Utility sort of output from EDIT010.

EDIT020 - Edit Enforcement Card Transactions

This program edits the enforcement card input transactions. It produces an edited tape to be merged with MSIS Transactions, a detailed Transaction Report and a Batch Control and Error Report.

EDIT025 - Sort Enforcement Actions

Utility sort/merge of enforcement actions from MSIS and from EDIT020.

EDIT030 - Edit Variance and Exemption Card Transactions

This program edits the variance and exemption card input transactions. It produces an edited tape for input to the Variance and Exemption Update program UPDT050, after sorting, a detailed Transaction Report and a Batch Control and Error Report.

EDIT035 - Sort Variance and Exemption Card Transactions

Utility sort of output from EDIT030.

EDIT040 - Edit Summary Violation Card Transactions

This program edits the violations summary input transactions. It produces an edited tape for input to the Violations PWS Update program UPDT030, after sorting, a detailed Transaction Report and a Batch Control and Error Listing.

EDIT050 - Summarize MSIS Detail Violations

This program edits and summarizes the MSIS Detail Violations tape. It produces a summarized violations tape and a control listing.

EDIT055 - Sort Summary Violation Transactions

Utility sort of output from EDIT040 and EDIT050.

EDIT060 - Sort MSIS PWS Inventory Transactions

Utility sort of MSIS input to UPDT020.

EDIT070 - Sort MSIS Variance and Exemption Transactions

Utility sort of MSIS input to UPDT060.

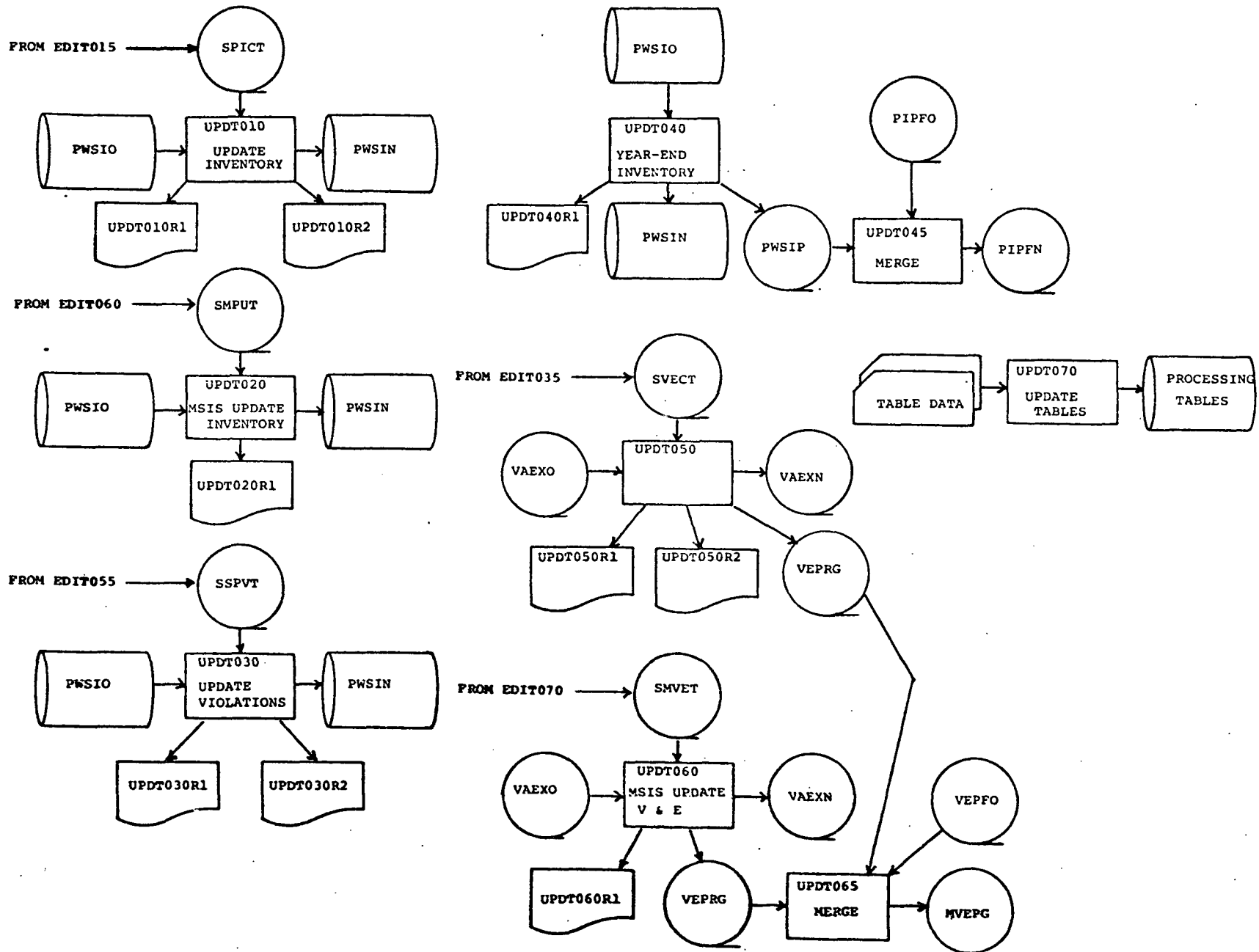
EDIT080 - Merge MSIS Detail Violations

Utility merge of MSIS detail input to EDIT050.

2. UPDATE SUBSYSTEM (Exhibit II-3)

The purpose of this subsystem is to update the PWS Inventory file and the Variance and Exemption file. The PWS Inventory

Exhibit II-3
U.S. ENVIRONMENTAL PROTECTION AGENCY
Update Subsystem



file contains one record for each water supply system including descriptive data such as name, address, population served, water sources, etc. This subsystem processes changes and summary violation information against the PWS Inventory file. The input transactions are accepted both in card format, which is processed on a field by field basis, and MSIS format, which causes an entire record to be replaced by the MSIS record. Inactive records are purged from this file to a tape on an annual basis.

In a similar manner, changes from card input and from MSIS are processed against the Variance and Exemption file. This file contains detailed data for each variance and exemption in existence and is used by Headquarters to monitor the granting of variances and exemptions by the states. Inactive records are purged from the Variance and Exemption file and kept on tape.

Reports produced by the Update Subsystem include batch control reports and detailed update listings which provide an audit trail of all changes made to the data files. The Enforcement Actions file is not maintained as a master file and therefore it is not updated. Reporting is done directly from the current year's enforcement actions activity.

Update Subsystem Program Modules

UPDT010 - Update PSW Inventory File

This program updates the PWS Inventory File with sorted add, change, and delete transactions produced by EDIT010. Two output reports are produced also by this program.

UPDT020 - MSIS Update PWS Inventory File

This program updates the PWS Inventory File with sorted transactions from the mechanized state processing system MSIS. An update report is produced also by this program.

UPDT030 - Update PWS Inventory Violations

This program updates the PWS Inventory File with sorted summary violation transactions originating from the merged output of EDIT040 and EDIT050. An update report and an error report are produced also by this program.

UPDT040 - Year End PWS Inventory File Update

This program updates the PWS Inventory File by zeroing out all the year-to-date violation accumulators. All records which have been deactivated for more than one year are purged from the file. An output report and a tape file of purged records are created also.

UPDT045 - Merge Purged PWS Inventory Records

Utility merge of all purged records for the year.

UPDT050 - Update Variance and Exemption File

This program updates the Variance and Exemption file with sorted add, change and delete transactions produced by EDIT030. Two reports and an output tape of purged variance and exemption records are produced also.

UPDT060 - MSIS Update Variance and Exemption File

This program updates the Variance and Exemption File with sorted transactions from the mechanized state processing system, MSIS. An update report is produced also by this program.

UPDT065 - Merge Purged Variance and Exemption Records

Utility merge of all purged records for the year.

UPDT070 - Update Processing Tables

This program creates the processing tables used by other programs.

3. PERIODIC REPORTING SUBSYSTEM (Exhibit II-4)

This subsystem uses the PWS Inventory file and the Variance and Exemption file to generate several reports as requested by the system users. The PWS Inventory Listings are produced in six different formats, each containing a different level of detailed information varying from one line to an entire page for each PWS. The user specifies through card input which format is to be printed each time a listing is requested. The user specifies also the selection criteria to be used in generating the report and thereby lists only those PWS's meeting the selected options (population, owner type, sources, treatments, etc.)

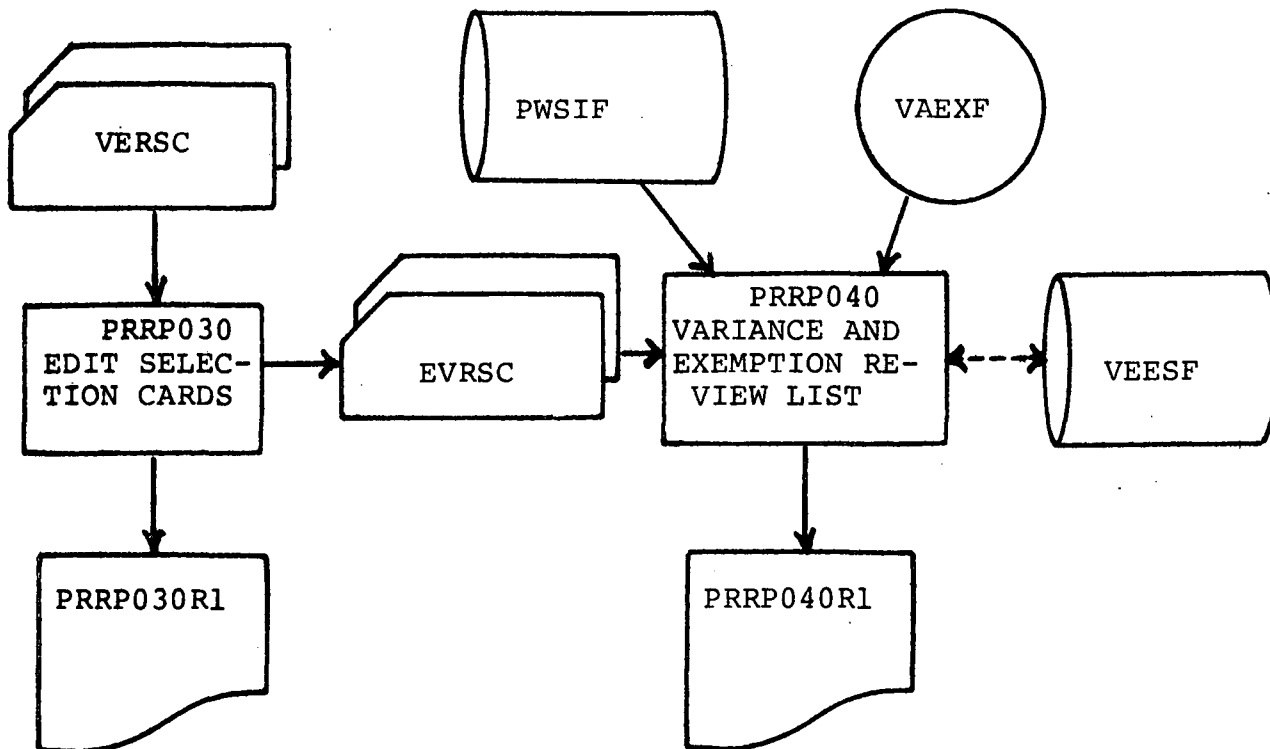
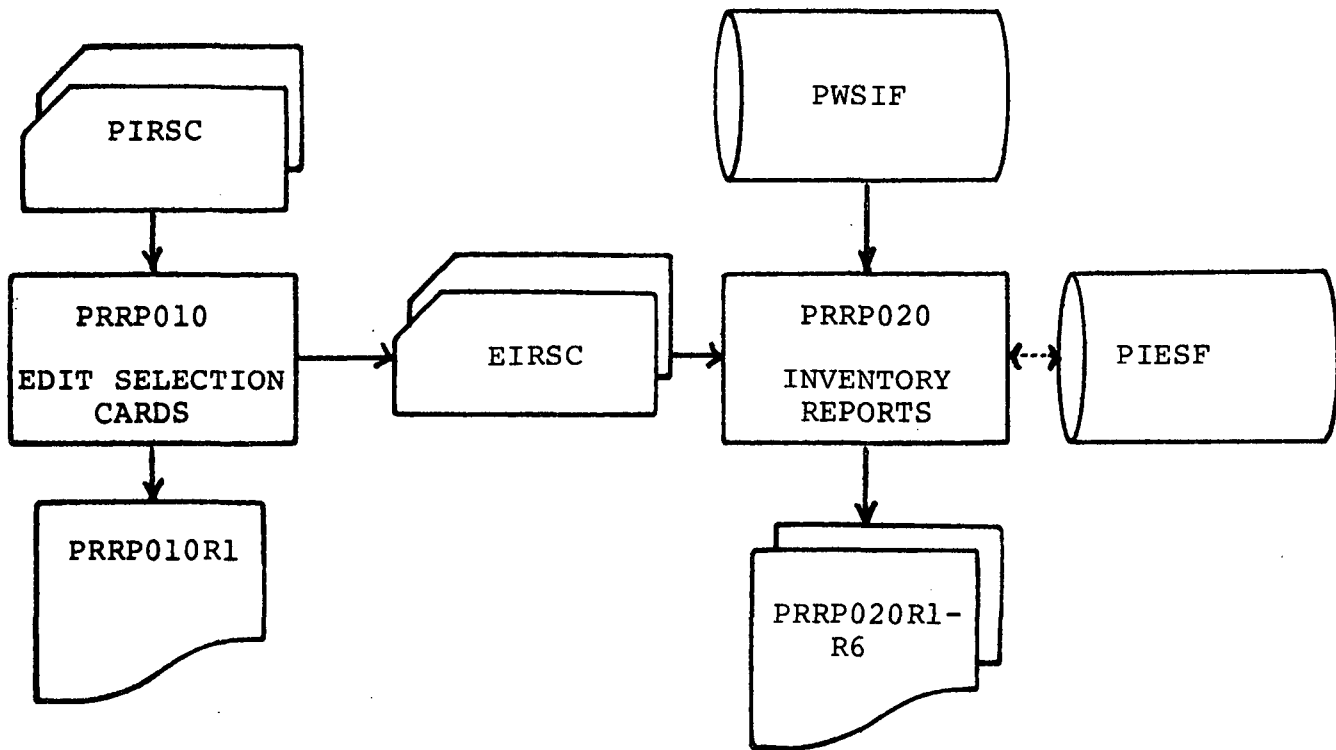
This subsystem produces also the Variance and Exemption Review List. This report provides a detailed listing of those variances and exemptions meeting the selection criteria specified by the user. The name and address of the PWS associated with each variance or exemption are shown also on this report.

Periodic Reporting Subsystem Program Modules

PRRP010 - Edit PWS Inventory Report Selection Cards

This program edits selection control cards for selecting PWS Inventory reports. It produces a deck of edited selection cards and a Selection Translation and Error Report.

Exhibit II-4
U.S. ENVIRONMENTAL PROTECTION AGENCY
Periodic Reporting Subsystem



PRRP020 - Generate PWS Inventory Reports

This program generates six PWS Inventory Reports according to specifications which are entered on cards.

PRRP030 - Edit Variance and Exemption Report Selection Cards

This program edits selection control cards for selecting the parameters of the Variance and Exemption Review List. It produces a deck of edited selection cards and a selection Translation and Error Report.

PRRP040 - Generate Variance and Exemption Review List

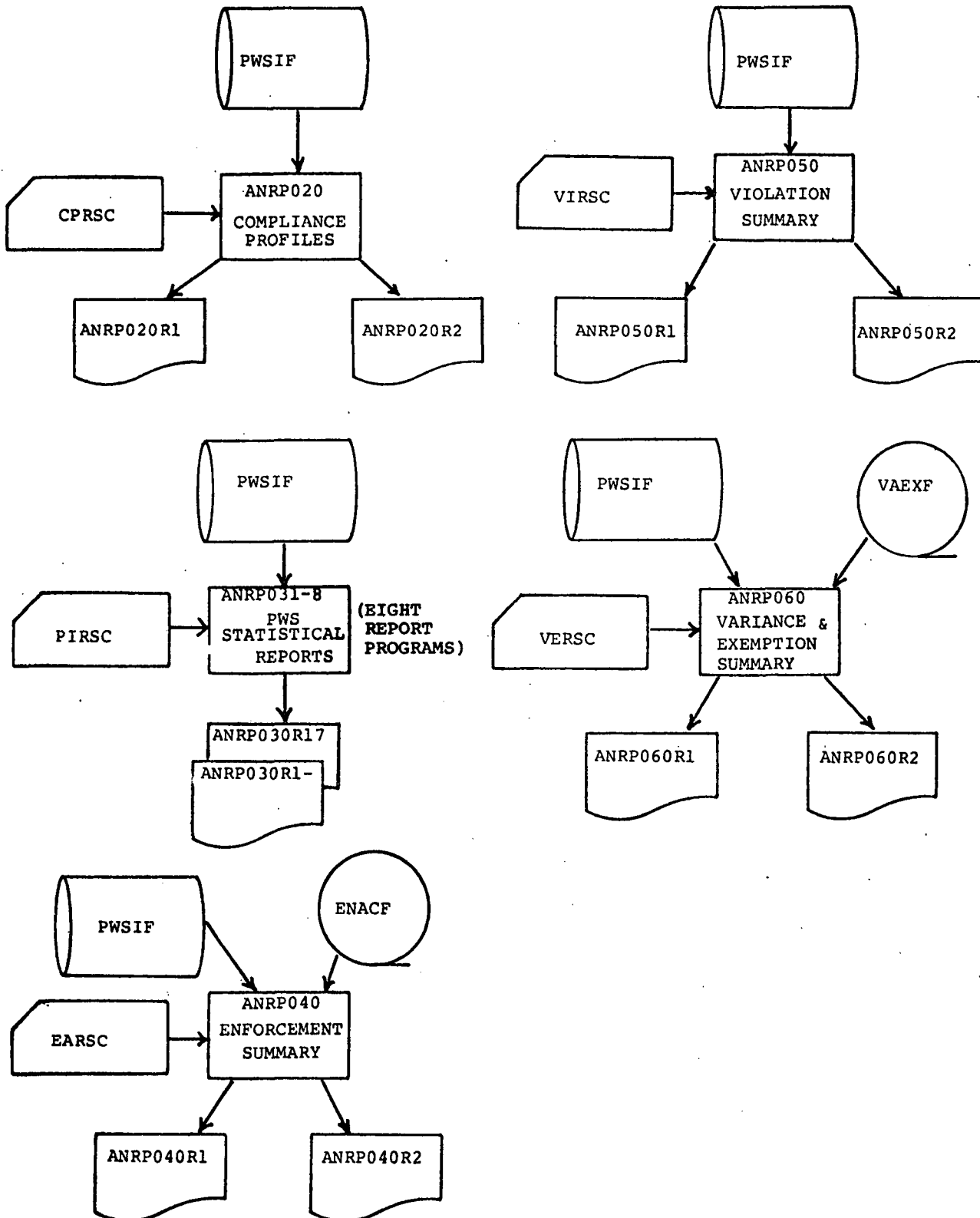
This program generates the Variance and Exemption Review List according to specifications which are entered on cards.

4. ANNUAL REPORTING SUBSYSTEM (Exhibit II-5)

This subsystem produces summary reports which aid in the preparation of the annual report to Congress and in monitoring state water supply program performance. Produced also by this subsystem are PWS statistical reports which provide the information needed for periodic publication of water supply data by Headquarters. Three summary reports are used for the report to Congress, as follows:

- . Violations summary showing violation frequency by state and contaminant category; violations are categorized by population size of community served and type of water source (surface, ground or purchased).
- . Enforcement action summary showing actions taken by type of action, state and population category.
- . Variance and exemption summary showing the number of variances and exemptions in existence by state, contaminant or treatment type, duration and population categories.

Exhibit II-5
U.S. ENVIRONMENTAL PROTECTION AGENCY
Annual Reporting Subsystem



The compliance profiles are produced also by this subsystem and provide one-page summaries of violations by type and population at risk for a single state, entire EPA region or the nation. These summaries are intended to aid program managers in analyzing trends and problem areas having high numbers of violations.

The Annual Reporting Subsystem produces also seventeen PWS statistical reports which provide the data for periodic publication by Headquarters. These reports summarize and list the public water systems according to type of ownership, treatments used, sources, population served, etc.

Annual Reporting Subsystem Program Modules

ANRP020 - Generate Compliance Profiles

This program generates two compliance summary reports reflecting violation occurrences. Various criteria are specified by the user on card input.

ANRP031 - Generate PWS Inventory Reports by Ownership

This program generates two reports which analyze the PWS Inventory records according to type of ownership.

ANRP032 - Generate PWS Inventory Reports by Type of Water Source

This program generates two reports which analyze the PWS Inventory records according to type of water source.

ANRP033 - Generate PWS Inventory Reports by Treatment

This program generates five reports which analyze the PWS Inventory records according to whether or not the water source is treated.

ANRP034 - Generate PWS Inventory Report by Lab Control

This program generates a report which analyzes the PWS Inventory records according to laboratory control.

ANRP035 - Generate PWS Inventory Reports by Treatment Process

This program generates two reports which analyze the PWS Inventory records according to type of treatment process.

ANRP036 - Generate PWS Inventory Reports Analyzing Services

This program generates two reports analyzing the number of services and meters.

ANRP037 - Generate PWS Inventory Reports of Capacity and Production

This program generates two reports analyzing maximum daily production percentages.

ANRP038 - Generate PWS Inventory Report of Per Capita Water Use

This program generates a report showing the maximum per capita daily water use per state.

ANRP040 - Generate Enforcement Action Summary

This program generates two enforcement action summary reports, each reflecting enforcement actions taken for community, non-community or all public water systems.

ANRP050 - Generate Violation Summary

This program generates two violation summary reports, each reflecting violation occurrences for community, non-community or all public water systems.

ANRP060 - Generate Variance and Exemption Summary

This program generates two variance and exemption summary reports each reflecting variances and exemptions granted to community, non-community or all public water systems.

III. DATA FILES AND TABLES

III. DATA FILES AND TABLES

This chapter contains four sections, as follows:

- . File descriptions
- . System file characteristics
- . Record layouts
- . Tables

Brief descriptions are included for the major system processing files. The file characteristics section provides a cross-reference listing of each system file. This associates record layouts to data files and indicates the file characteristics, such as device type, access method, record size and estimated volume. The volume estimates assume that half the states are utilizing MSIS and half are using keypunch data entry.

The record layout section includes a table of contents and record layout forms for each file. The layouts show, for each field, the field name, Data Element Description reference number, format, length and offset. The last section lists in detail those processing tables which can be defined at this time. Some tables require definition by State EPA personnel for MSIS and have therefore not been specified in detail.

1. FILE DESCRIPTIONS

The major system file is the PWS Inventory File. It contains one record for each public water system. The file is organized as a partitioned data set with one partition for each EPA region. The records are variable length to accomodate from one to fifteen water source data segments. This file is updated by card transactions and replacement records from MSIS.

The other system master file is the Variance and Exemption File which contains one record for each variance and exemption in existence. It is also updated by card transactions and replacement records from MSIS.

The Enforcement Action File is recreated each year to represent the current year's enforcement activity. Card input and MSIS data are used to create this file.

Violations data is not maintained on a master file.

2. SYSTEM FILE CHARACTERISTICS

This section provides a cross-reference listing of all system files in alphabetical order according to file identification mnemonic. The file characteristics and record layout references are included for each file. Source and destination indications are given also. The five position mnemonic file name can be referenced to the subsystem flow charts and the program specifications for a description of the use of each file.

EENAC - Edited Enforcement Action Records

Layout Reference:	ENACF	Device:	Tape
Record Format:	V	Access:	Sequential
Record Length:	70-224	Source:	EDIT020
Volume:	20,000-45,000 per year	Destination:	EDIT025
Record Name(s):	Enforcement		

ENACF - Enforcement Actions File

Layout Reference:	ENACF	Device:	Tape
Record Format:	V	Access:	Sequential
Record Length:	70-224	Source:	EDIT025
Volume:	40,000-90,000 per year	Destination:	ANRP040
Record Name(s):	Enforcement		

EPICT - Edited PWS Inventory Card Transactions

Layout Reference:	PWSUT	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	85	Source:	EDIT010
Volume:	60,000-80,000 per year	Destination:	EDIT015
Record Name(s):	PWS Trans (00/01) - (13)		

ESPVT - Edited Summary PWS Inventory Violation Transactions

Layout Reference:	VIOST	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	60	Source:	EDIT040
Volume:	50,000-100,000 per year	Destination:	EDIT055
Record Name(s):	Violation Trans(01)		

EVECT - Edited Variance and Exemption Card Transactions

Layout Reference:	VAEXT	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	65	Source:	EDIT030
Volume:	10,000-22,000 per year	Destination:	EDIT035
Record Name(s):	V&E Trans (00/01)		

MMDVT - Merged MSIS Detail Violation Transactions

Layout Reference:	VIODT	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	65	Source:	EDIT080
Volume:	200,000-450,000 per year	Destination:	Archives
Record Name(s):	Violation, Control Record		

MPDVT - MSIS PWS Inventory Detail Violation Transactions

Layout Reference:	VIODT	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	65	Source:	MSIS
Volume:	200,000-450,000 per year	Destination:	EDIT080
Record Name(s):	Violation, Control Record		

MSISE - MSIS Enforcement Actions

Layout Reference:	ENACF	Device:	Tape
Record Format:	V	Access:	Sequential
Record Length:	70-224	Source:	MSIS
Volume:	20,000-45,000 per year	Destination:	EDIT025
Record Name(s):	Enforcement		

MSISP - MSIS PWS Inventory Transactions

Layout Reference:	PWSIF	Device:	Tape
Record Format:	V	Access:	Sequential
Record Length:	626-1410	Source:	MSIS
Volume:	30,000-40,000 per year	Destination:	EDIT060
Record Name(s):	Inventory, PWS Control		

MSISV - MSIS Variance and Exemption Transactions

Layout Reference:	VAEXF	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	75	Source:	MSIS
Volume:	10,000-22,000 per year	Destination:	EDIT070
Record Name(s):	Variance/Exemption, V/E Control		

MVEPG - Merged Variance and Exemption Purged File(Becomes VEPFO)

Layout Reference:	VAEXF	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	75	Source:	UPDT065
Volume:	5,000	Destination:	UPDT065
Record Name(s):	Variance/Exemption		

PIESF - PWS Inventory Expanded Sort File

Layout Reference:	PWSIF	Device:	Disk
Record Format:	V	Access:	Sequential
Record Length:	626-1410	Source:	PRRP020
Volume:	1,000-100,000	Destination:	PRRP020
Record Name(s):	Inventory		

PIPFN - New Purged PWS Inventory File (Becomes PIPFO)

Layout Reference:	PWSIF	Device:	Tape
Record Format:	V	Access:	Sequential
Record Length:	626-1410	Source:	UPDT045
Volume:	1,000	Destination:	UPDT045
Record Name(s):	Inventory		

PIPFO - Old Purged PWS Inventory File

Layout Reference:	PWSIF	Device:	Tape
Record Format:	V	Access:	Sequential
Record Length:	626-1410	Source:	UPDT045
Volume:	1,000	Destination:	UPDT045
Record Name(s):	Inventory		

PWSIF - PWS Inventory File (see PWSIN, PWSIO)

Layout Reference:	PWSIF	Device:	Disk(partitioned)
Record Format:	V	Access:	Sequential
Record Length:	626-1410	Source:	UPDT010, UPDT020, UPDT030, UPDT040
Volume:	100,000-300,000	Destination:	PRRP020, PRRP040, ANRP020, ANRP031-8, ANRP040, ANRP050, ANRP060
Record Name(s):	Inventory		

PWSIN - PWS Inventory File (New) (Becomes PWSIO,PWSIF)

Layout Reference:	PWSIF	Device:	Disk(partitioned)
Record Format:	V	Access:	Sequential
Record Length:	626-1410	Source:	UPDT010, UPDT020, UPDT030, UPDT040
Volume:	100,000-300,000	Destination:	UPDT010, UPDT020, UPDT030, UPDT040, Reporting Sub- Systems
Record Name(s):	Inventory		

PWSIO - PWS Inventory File (Old)

Layout Reference:	PWSIF	Device:	Disk(partitioned)
Record Format:	V	Access:	Sequential
Record Length:	626-1410	Source:	UPDT010, UPDT020, UPDT030, UPDT040
Volume:	100,000-300,000	Destination:	UPDT010, UPDT020, UPDT030, UPDT040
Record Name(s):	Inventory		

PWSIP - Purged PWS Inventory File

Layout Reference:	PWSIF	Device:	Tape
Record Format:	V	Access:	Sequential
Record Length:	626-1410	Source:	UPDT040
Volume:	20-100 per year	Destination:	UPDT045
Record Name(s):	Inventory		

SMPUT - Sorted MSIS PWS Inventory Update Transaction

Layout Reference:	PWSIF	Device:	Tape
Record Format:	V	Access:	Sequential
Record Length:	626-1410	Source:	EDIT060
Volume:	30,000-40,000 per year	Destination:	UPDT020
Record Name(s):	Inventory, PWS Control		

SMPVT - Summarized MSIS PWS Inventory Violation Transactions

Layout Reference:	VIOST	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	60	Source:	EDIT050
Volume:	50,000-100,000 per year	Destination:	EDIT055
Record Name(s):	Violation Trans(01)		

SMVET - Sorted MSIS Variance and Exemption Transactions

Layout Reference:	VAEXF	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	75	Source:	EDIT070
Volume:	10,000-22,000 per year	Destination:	UPDT060
Record Name(s):	Variance/Exemption, V/E Control		

SPICT - Sorted PWS Inventory Card Transactions

Layout Reference:	PWSUT	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	85	Source:	EDIT015
Volume:	60,000-80,000 per year	Destination:	UPDT010
Record Name(s):	PWS Trans(00/01)-(13)		

SSPVT - Sorted Summary PWS Inventory Violation Transactions

Layout Reference:	VIOST	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	60	Source:	EDIT055
Volume:	100,000-200,000 per year	Destination:	UPDT030
Record Name(s):	Violation Trans(01)		

SVECT - Sorted Variance and Exemption Card Transactions

Layout Reference:	VAEXT	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	65	Source:	EDIT035
Volume:	10,000-22,000 per year	Destination:	UPDT050
Record Name(s):	V&E Trans(00/01)		

VAEXF - Variance and Exemption File (see VAEXN,VAEXO)

Layout Reference:	VAEXF	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	75	Source:	UPDT050,UPDT060
Volume:	20,000-45,000	Destination:	PRRP040,
Record Name(s):	Variance/Exemption		ANRP060

VAEXN - Variance and Exemption File (New) (Becomes VAEXO,VAEXF)

Layout Reference:	VAEXF	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	75	Source:	UPDT050, UPDT060
Volume:	20,000-45,000	Destination:	UPDT050, UPDT060,
			Reporting Sub-
			Systems

VAEXO - Variance and Exemption File (Old)

Layout Reference:	VAEXF	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	75	Source:	UPDT050, UPDT060
Volume:	20,000-45,000	Destination:	UPDT050,
Record Name(s):	Variance/Exemption		UPDT060

VEESF - Variance and Exemption Expanded Sort File

Layout Reference:	VEESF	Device:	Disk
Record Format:	F	Access:	Sequential
Record Length:	300	Source:	PRRP040
Volume:	1,000-30,000	Destination:	PRRP040
Record Name(s):	Expanded Variance/Exemption Record		

VEPFO - Old Variance and Exemption Purged File

Layout Reference:	VAEXF	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	75	Source:	UPDT065
Volume:	5,000	Destination:	UPDT065
Record Name(S):	Variance/Exemption		

VEPRG - Variance and Exemption Purged Records

Layout Reference:	VAEXF	Device:	Tape
Record Format:	F	Access:	Sequential
Record Length:	75	Source:	UPDT050, UPDT060
Volume:	1,000 records	Destination:	UPDT065
Record Name(s):	Variance/Exemption		

3. FILE LAYOUT TABLE OF CONTENTS

This section includes a detailed layout of each unique record for each system file. Each field within each record is defined according to data type, picture representation, offset and length. Each field is referenced also to the corresponding Data Element Description sheet.

FILE ID	FILE NAME	RECORD NAME	PAGE
ANRSC	Annual Report Selection Card	Selection Card	27
ENACF	Enforcement Actions	Enforcement	28
EPRSC	Edited Report Selection Cards	Edited Header Card	30
		Edited Selection Card ..	31
PRRSC	Periodic Report Selection Cards	Header Card	32
		Selection Card	33
PWSIF	PWS Inventory	Inventory	34
		PWS Control	41
PWSUT	PWS Update Transactions	PWS Trans (00/01)	42
		PWS Trans (02)	43
		PWS Trans (03)	44
		PWS Trans (04)	45
		PWS Trans (05)	46
		PWS Trans (06)	48
		PWS Trans (07)	49
		PWS Trans (08)	50
		PWS Trans (09)	51
		PWS Trans (10)	52
		PWS Trans (11)	53
		PWS Trans (12)	54
		PWS Trans (13)	55
VAEXF	Variances and Exemptions	Variance/Exemption	57
		V/E Control	59
VAEXT	Variance and Exemption Transactions	V&E Trans (00/01)	60

FILE ID	FILE NAME	RECORD NAME	PAGE
VEESF	Variance and Exemption Expanded Sort File	Expanded Variance/ Exemption Record	62
VIODT	Violations Detail	Violation Control Record	64 66
VIOST	Violation Summary Transactions	Violation Trans (01)	67

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: ANNUAL REPORT
SELECTION CARD FILE I.D.: ANRSC
 RECORD NAME: SELECTION CARD RECORD FORMAT: F
 RECORD LENGTH: 80
 SUBSYSTEMS: Annual Reporting
 KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REPORT-NUM-SEL	115	A/N	X(10)	1	10
TYPE-OF-PWS-SEL	116	A/N	X(1)	11	11
REGION-SEL	117	A/N	X(2)	12	13
STATE-SEL	118	A/N	X(2)	14	15
CONTAM-CTG-SEL	119	A/N	X(4)	16	19
VIO-TYPE-SEL	120	A/N	X(4)	20	23
SOURCE-TYPE-SEL	121	A/N	X(1)	24	24
ACCUM-TYPE-SEL	122	A/N	X(3)	25	27
SPARE		A/N	X(53)	28	80

Date: 6 / 18 / 76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: ENFORCEMENT ACTIONS FILE I.D.: ENACF
 RECORD NAME: ENFORCEMENT RECORD FORMAT: V
 RECORD LENGTH: 70-224
 SUBSYSTEMS: Annual Reporting
 KEY FIELDS: REGION, STATE, PWS-ID, CASE-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
CASE-ID	087	Numeric	9(5)	12	16
CASE-REFERENCE	088	A/N	X(12)	17	28
ACTION-DATE	089	Numeric	9(5)	29	33
LEGAL-STATUS	096	A/N	X(1)	34	34
CLOSE-INDICATOR	090	Numeric	9(1)	35	35
PARTY-TYP-DEFND	091	A/N	X(1)	36	36
PARTY-TYPE-PLAIN	092	A/N	X(1)	37	37
SPARE		A/N	X(20)	38	57

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RECORD LAYOUT

KEY FIELDS: REGION, STATE, PWS-ID, CASE-ID

FIELD DESCRIPTION

[illegible]

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RECORD LAYOUT

FIELD DESCRIPTION

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

EDITED REPORT
FILE NAME: SELECTION CARDS **FILE I.D.:** EPRSC
RECORD NAME: EDITED SELECTION CARD **RECORD FORMAT:** F
RECORD LENGTH: 80
SUBSYSTEMS: Periodic Reporting
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position	
				Start	End
OPERATOR-SEL	130	A/N	X(3)	1	3
MNEMONIC-SEL	131	A/N	X(15)	4	18
SORT-SEL	132	Numeric	9(2)	19	20
RELATION-SEL	133	A/N	X(2)	21	22
FROM-SEL	134	A/N	X(10)	23	32
TO-SEL	135	A/N	X(10)	33	42
OFFSET-SEL	136	Numeric	9(4)	43	46
LENGTH-SEL	137	Numeric	9(3)	47	49
SPARE		A/N	X(31)	50	80

Date: 6/18/76 Revision Date / / Revision #

RECORD LAYOUT

FIELD DESCRIPTION

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PERIODIC REPORT
SELECTION CARDS
FILE I.D.: PRRSC

RECORD NAME: SELECTION CARD
RECORD FORMAT: F

RECORD LENGTH: 80

SUBSYSTEMS: Periodic Reporting

KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
OPERATOR-SEL	130	A/N	X(3)	1	3
MNEMONIC-SEL	131	A/N	X(15)	4	18
SORT-SEL	132	Numeric	9(2)	19	20
RELATION-SEL	133	A/N	X(2)	21	22
FROM-SEL	134	A/N	X(10)	23	32
TO-SEL	135	A/N	X(10)	33	42
SPARE		A/N	X(38)	43	80

Date: 6/18/76
 Revision Date / /
 Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS INVENTORY **FILE I.D.:** PWSIF
RECORD NAME: INVENTORY **RECORD FORMAT:** V
RECORD LENGTH: 626-1410
SUBSYSTEMS: Input, Update, Periodic Reporting, Annual Reporting
KEY FIELDS: REGION, STATE, PWS-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
PWS-NAME	004	A/N	X(30)	12	41
PWS-ADDRESS-L1	005	A/N	X(30)	42	71
PWS-ADDRESS-L2	006	A/N	X(30)	72	101
STATE-ADR	007	A/N	X(2)	102	103
ZIP	008	Numeric	9(5)	104	108
AREA-CODE	009	Numeric	9(3)	109	111
PHONE-NUMBER	010	Numeric	9(7)	112	118
PLANT ADDRESS				119	185
. PWS-ADDRESS-L1	005	A/N	X(30)	119	148
. PWS-ADDRESS-L2	006	A/N	X(30)	149	178
. STATE-ADR	007	A/N	X(2)	179	180
. ZIP	008	Numeric	9(5)	181	185

Date: 5 / 12 / 76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS INVENTORY **FILE I.D.:** PWSIE
RECORD NAME: INVENTORY **RECORD FORMAT:** V
RECORD LENGTH: 626-1410
SUBSYSTEMS: Input, Update, Periodic Reporting, Annual Reporting
KEY FIELDS: REGION, STATE, PWS-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
SERVICE AREA				186	203
. CITY	011	A/N	X(15)	186	200
. COUNTY	012	Numeric	9(3)	201	203
INDIAN-RES	013	Numeric	9(3)	204	206
SERVICE-AREA	014	Numeric	9(19)	207	225
REGULATE	015	A/N	X(1)	226	226
REGION-ADMIN	016	A/N	X(2)	227	228
DISTRICT	017	A/N	X(3)	229	231
PWS-OWNER-TYPE	018	A/N	X(1)	232	232
INTERSTATE-CARR	019	Numeric	9(1)	233	233
PWS-TYPE	020	A/N	X(1)	234	234
ACTIVITY-IND	021	Numeric	9(1)	235	235
DEACT-DATE	022	Numeric	9(5)	236	240
DEACT-REASON	023	A/N	X(1)	241	241
EFFECTIVE-DATE	024	Numeric	9(5)	242	246

Date: 5 / 12 / 76 **Revision Date** / / **Revision #**

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS INVENTORY **FILE I.D.:** PWSIF
RECORD NAME: INVENTORY **RECORD FORMAT:** V
RECORD LENGTH: 626-1410
SUBSYSTEMS: Input, Update, Periodic Reporting, Annual Reporting
KEY FIELDS: REGION, STATE, PWS-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
COMP-CYCLE	025	Numeric	9(2)	247	248
CONSECUTIVE	026	Numeric	9(1)	249	249
SELLER-ID	027	Numeric	9(7)	250	256
SELLER-WATER	028	A/N	X(1)	257	257
BEGIN-DATE	029	Numeric	9(4)	258	261
MANUAL-FILE	030	A/N	X(12)	262	273
REPORT-BACT-FLG	031	A/N	X(1)	274	274
REPORT-TURB-FLG	032	A/N	X(1)	275	275
OPERATE-REPORT	033	Numeric	9(1)	276	276
LAST-OP-REPORT	034	Numeric	9(4)	277	280
POP-SERVED	035	Numeric	9(9)	281	289
SERVICES-NUM	036	Numeric	9(7)	290	296
METERS-NUM	037	Numeric	9(7)	297	303
CONSECUTIVE-NUM	037	Numeric	9(7)	304	310
NORMAL-CAPACITY	039	Numeric	9(10)	311	320

Date: 5 / 12 / 76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS INVENTORY FILE I.D.: PWSIF
 RECORD NAME: INVENTORY RECORD FORMAT: V
 RECORD LENGTH: 626-1410
 SUBSYSTEMS: Input, Update, Periodic Reporting, Annual Reporting
 KEY FIELDS: REGION, STATE, PWS-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
EMERGENCY-POWER	040	Numeric	9(10)	321	330
STORAGE-CAPACTY	041	Numeric	9(10)	331	340
MAX-PRODUCTION	042	Numeric	9(10)	341	350
DESIGN-CAPACITY	113	Numeric	9(10)	351	360
AVG-AIR-TEMP	114	Numeric	9(3)V9	361	364
LAB-CONTROL	043	Numeric	9(4)	365	368
LAB-USED		OCCURS	5 TIMES:		
. LAB-ID	044	Numeric	9(5)	369	398
. CAPTIVE-FLAG	045	Numeric	9(1)		
STATE DISCRETION				399	443
BACTERIOLOGICAL				399	415
. MONTHLY	046	Numeric	9(1)	399	399
. PER-QUARTER	047	Numeric	9(3)	400	402
. SEASON-START	048	Numeric	9(4)	403	406
. SEASON-END	049	Numeric	9(4)	407	410

Date: 5 / 12 / 76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS INVENTORY FILE I.D.: PWSIF
 RECORD NAME: INVENTORY RECORD FORMAT: V
 RECORD LENGTH: 626-1410
 SUBSYSTEMS: Input, Update, Periodic Reporting, Annual Reporting
 KEY FIELDS: REGION, STATE, PWS-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
. NON-COMM-FREQ	050	Numeric	9(3)	411	413
. CHLORINE	051	Numeric	9(2)	414	415
TURBIDITY-UNITS	052	Numeric	9(1)V9(1)	416	417
ALL CHEMICALS				418	443
FOLLOW UP MONITOR		OCCURS	2 TIMES:		
. CONTAMINANT-ID	053	Numeric	9(4)	418	431
. SAMPLING-FREQ	054	Numeric	9(3)		
ORGANIC				432	440
. START-PERIOD	055	Numeric	9(4)	432	435
. END-PERIOD	056	Numeric	9(4)	436	439
. NO-SAMPLING	057	Numeric	9(1)	440	440
INORGANIC				441	443
. NITRATE-FREQ	058	Numeric	9(3)	441	443
RADIOACTIVE-MTR	059	Numeric	9(1)	444	444
LAST-UPDATE	060	Numeric	9(5)	445	449

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS INVENTORY FILE I.D.: PWSIF
 RECORD NAME: INVENTORY RECORD FORMAT: V
 RECORD LENGTH: 626-1410
 SUBSYSTEMS: Input, Update, Periodic Reporting, Annual Reporting
 KEY FIELDS: REGION, STATE, PWS-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
V and E		OCCURS	2 TIMES		
. CONTAMINANT-ID	053	Numeric	9(4)	450	469
. MCL	061	Numeric	9(6)		
VIOLATIONS ACCUMULATORS		OCCURS	6 TIMES		
. VIO-CONTAM-YTD	062	Comp.-3	S9(3)		
. VIO-SAMP-YTD	063	Comp.-3	S9(3)		
. VIO-OTHER-YTD	064	Comp.-3	S9(3)	470	541
. VIO-CONTAM-TOT	065	Comp.-3	S9(3)		
. VIO-SAMP-TOT	066	Comp.-3	S9(3)		
. VIO-OTHER-TOT	067	Comp.-3	S9(3)		
RESERVE	068	A/N	X(27)	542	568
SOURCES-NUM	069	Numeric	9(2)	569	570

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS INVENTORY **FILE I.D.:** PWSIF

RECORD NAME: INVENTORY **RECORD FORMAT:** V

RECORD LENGTH: 626-1410

SUBSYSTEMS: Input, Update, Periodic Reporting, Annual Reporting

KEY FIELDS: REGION, STATE, PWS-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position	
				Start	End
SOURCE INFO		OCCURS	15 TIMES:		
. SOURCE-NAME	070	A/N	X(15)		
. SOURCE-CODE	071	A/N	X(1)		
. NUMBER-OF-WELLS	072	Numeric	9(2)		
. AVAILABILITY	073	A/N	X(1)		
. BASIN-NUMBER	074	Numeric	9(7)	571	1410
. LATITUDE	075	Numeric	9(7)		
. LONGITUDE	076	Numeric	9(7)		
. TREATMENTS	077	Numeric	9(16)		

Date: 5 / 12 / 76 **Revision Date** / / **Revision #**

RECORD LAYOUT

FIELD DESCRIPTION

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE
TRANSACTIONS FILE I.D.: PWSUT
 RECORD NAME: PWS TRANS (00/01) RECORD FORMAT: F
 RECORD LENGTH: 85
 SUBSYSTEMS: Edit, Update
 KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
PWS-NAME	004	A/N	X(30)	20	49
PWS-ADDRESS-L1	005	A/N	X(30)	50	79
SPARE		A/N	X(6)	80	85

Date: 5/19 /76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE
TRANSACTIONS
FILE I.D.: PWSUT

RECORD NAME: PWS TRANS (02)
 RECORD FORMAT: F

RECORD LENGTH: 85

SUBSYSTEMS: Edit, Update

KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
PWS-ADDRESS-L2	006	A/N	X(30)	20	49
STATE-ADR	007	A/N	X(2)	50	51
ZIP	008	Numeric	9(5)	52	56
AREA-CODE	009	Numeric	9(3)	57	59
PHONE-NUMBER	010	Numeric	9(7)	60	66
SPARE		A/N	X(19)	67	85

Date: 5 / 19 / 76
 Revision Date / /
 Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE TRANSACTIONS FILE I.D.: PWSUT
 RECORD NAME: PWS TRANS (03) RECORD FORMAT: F
 RECORD LENGTH: 85
 SUBSYSTEMS: Edit, Update
 KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
PLANT ADDRESS					
• PWS-ADDRESS-L1	005	A/N	X(30)	20	49
• PWS-ADDRESS-L2	006	A/N	X(30)	50	79
SPARE		A/N	X(6)	80	85

Date: 5 / 19 / 76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE TRANSACTIONS **FILE I.D.:** PWSUT
RECORD NAME: PWS TRANS (04) **RECORD FORMAT:** F
RECORD LENGTH: 85
SUBSYSTEMS: Edit, Update
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
PLANT ADDRESS					
• STATE-ADR	007	A/N	X(2)	20	21
• ZIP	008	Numeric	9(5)	22	26
SERVICE AREA					
• CITY	011	A/N	X(15)	27	41
• COUNTY	012	Numeric	9(3)	42	44
INDIAN-RES	013	Numeric	9(3)	45	47
SERVICE-AREA	014	Numeric	9(19)	48	66
SPARE		A/N	X(19)	67	85

Date: 5/19/76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE TRANSACTIONS **FILE I.D.:** PWSUT
RECORD NAME: PWS TRANS (05) **RECORD FORMAT:** F
RECORD LENGTH: 85
SUBSYSTEMS: Edit, Update
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
ACTIVITY-IND	021	Numeric	9(1)	20	20
DEACT-REASON	023	A/N	X(1)	21	21
DEACT-DATE	022	Numeric	9(5)	22	26
COMP-CYCLE	025	Numeric	9(2)	27	28
PWS-OWNER-TYPE	018	A/N	X(1)	29	29
REGULATE	015	A/N	X(1)	30	30
PWS-TYPE	020	A/N	X(1)	31	31
INTERSTATE-CARR	019	Numeric	9(1)	31	31
REGION-ADMIN	016	A/N	X(2)	33	34

Date: 5/ 19/ 76 Revision Date / / Revision # _____

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE
TRANSACTIONS **FILE I.D.:** PWSUT
RECORD NAME: PWS TRANS (05) **RECORD FORMAT:** F
RECORD LENGTH: 85
SUBSYSTEMS: Edit, Update
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
DISTRICT	017	A/N	X(3)	35	37
CONSECUTIVE	026	Numeric	9(1)	38	38
SELLER-ID	027	Numeric	9(7)	39	45
SELLER-WATER	028	A/N	X(1)	46	46
BEGIN-DATE	029	Numeric	9(4)	47	50
MANUAL-FILE	030	A/N	X(12)	51	62
REPORT-BACT-FLG	031	A/N	X(1)	63	63
REPORT-TURB-FLG	032	A/N	X(1)	64	64
SPARE		A/N	X(21)	65	85

Date: 5 / 19 / 76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE TRANSACTIONS FILE I.D.: PWSUT
 RECORD NAME: PWS TRANS (06) RECORD FORMAT: F
 RECORD LENGTH: 85
 SUBSYSTEMS: Edit, Update
 KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
POP-SERVED	035	Numeric	9(9)	20	28
SERVICES-NUM	036	Numeric	9(7)	29	35
METERS-NUM	037	Numeric	9(7)	36	42
CONSECUTIVE-NUM	037	Numeric	9(7)	43	49
OPERATE-REPORT	033	Numeric	9(1)	50	50
LAST-OP-REPORT	034	Numeric	9(4)	51	54
EFFECTIVE DATE	024	Numeric	9(5)	55	59
SPARE		A/N	X(26)	60	85

Date: 5/19/76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE
TRANSACTIONS FILE I.D.: PWSUT
 RECORD NAME: PWS TRANS (07) RECORD FORMAT: F
 RECORD LENGTH: 85
 SUBSYSTEMS: Edit, Update
 KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
NORMAL-CAPACITY	039	Numeric	9(10)	20	29
EMERGENCY-POWER	040	Numeric	9(10)	30	39
STORAGE-CAPACTY	041	Numeric	9(10)	40	49
MAX-PRODUCTION	042	Numeric	9(10)	50	59
DESIGN-CAPACITY	113	Numeric	9(10)	60	69
AVG-AIR-TEMP	114	Numeric	9(3)V9	70	73
SPARE		A/N	X(12)	74	85

Date: 5 / 19 / 76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE
TRANSACTIONS **FILE I.D.:** PWSUT
RECORD NAME: PWS TRANS (08) **RECORD FORMAT:** F
RECORD LENGTH: 85
SUBSYSTEMS: Edit, Update
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
LAB-CONTROL	043	Numeric	9(4)	20	23
LAB-USED		OCCURS	5 TIMES:		
• LAB-ID	044	Numeric	9(5)	24	53
• CAPTIVE-FLAG	045	Numeric	9(1)		
SPARE		A/N	X(32)	54	85

Date: 5/19/76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE TRANSACTIONS **FILE I.D.:** PWSUT
RECORD NAME: PWS TRANS (09) **RECORD FORMAT:** F
RECORD LENGTH: 85
SUBSYSTEMS: Edit, Update
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
BACTERIOLOGICAL					
• MONTHLY	046	Numeric	9(1)	20	20
• PER-QUARTER	047	Numeric	9(3)	21	23
• SEASON-START	048	Numeric	9(4)	24	27
• SEASON-END	049	Numeric	9(4)	28	31
• NON-COMM-FREQ	050	Numeric	9(3)	32	34
• CHLORINE	051	Numeric	9(2)	35	36
SPARE		A/N	X(49)	37	85

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE
TRANSACTIONS FILE I.D.: PWSUT

RECORD NAME: PWS TRANS (10) RECORD FORMAT: F

RECORD LENGTH: 85

SUBSYSTEMS: Edit, Update

KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-IS	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
TURBIDITY-UNITS	052	Numeric	9V9	20	21
SPARE		A/N	X(64)	22	85

Date: 5 /19 /76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE
TRANSACTIONS FILE I.D.: PWSUT
 RECORD NAME: PWS TRANS (11) RECORD FORMAT: F
 RECORD LENGTH: 85
 SUBSYSTEMS: Edit, Update
 KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
ORGANIC					
• START-PERIOD	055	Numeric	9(4)	20	23
• END - PERIOD	056	Numeric	9(4)	24	27
• NO-SAMPLING	057	Numeric	9(1)	28	28
INORGANIC					
• NITRATE-FREQ	058	Numeric	9(3)	29	31
RADIOACTIVE-MTR	059	Numeric	9(1)	32	32
SPARE		A/N	X(53)	33	85

Date: 5/19/76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE
TRANSACTIONS
FILE I.D.: PWSUT
RECORD NAME: PWS TRANS (12)
 RECORD FORMAT: F
RECORD LENGTH: 85
SUBSYSTEMS: Edit, Update
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
FOLLOW UP MONITOR		OCCURS	2 TIMES:		
• CONTAMINANT-ID	053	Numeric	9(4)	20	33
• SAMPLING-FREQ	054	Numeric	9(3)		
V AND E		OCCURS	2 TIMES:		
• CONTAMINANT-ID	053	Numeric	9(4)	34	53
• MCL	061	Numeric	9(6)		
SPARE		A/N	X(32)	54	85

Date: 5 / 19 / 76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: PWS UPDATE
TRANSACTIONS **FILE I.D.:** PWSUT
RECORD NAME: PWS TRANS (13) **RECORD FORMAT:** F
RECORD LENGTH: 85
SUBSYSTEMS: Edit, Update
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
SOURCE-ID-NUM	101	Numeric	9(2)	20	21
SOURCE-NAME	070	A/N	X(15)	22	36
SOURCE-CODE	071	A/N	X(1)	37	37
NUMBER-OF-WELLS	072	Numeric	9(2)	38	39
AVAILABILITY	073	A/N	X(1)	40	40
BASIN-NUMBER	074	Numeric	9(7)	41	47
LATITUDE	075	Numeric	9(7)	48	54
LONGITUDE	076	Numeric	9(7)	55	61
TREATMENTS	077	Numeric	9(16)	62	77

Date: 5 / 19 / 76 Revision Date / / Revision #

RECORD LAYOUT

FIELD DESCRIPTION

[illegible]

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: VARIANCES AND EXEMPTIONS **FILE I.D.:** VAEXF

RECORD NAME: VARIANCE/EXEMPTION **RECORD FORMAT:** F

RECORD LENGTH: 75

SUBSYSTEMS: Update, Periodic Reporting, Annual Reporting

KEY FIELDS: REGION, STATE, PWS-ID, VE-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
VE-ID	078	Numeric	9(5)	12	16
VE-TYPE	079	A/N	X(1)	17	17
VE-STATUS	080	A/N	X(1)	18	18
EFFECTIVE-DATE	024	Numeric	9(5)	19	23
EXPIRATION-DATE	081	Numeric	9(5)	24	28
REASON-CODE	095	A/N	X(2)	29	30
CONTAMINANT-ID	053	Numeric	9(4)	31	34
MODIFIED-MCL	082	Numeric	9(6)	35	40
TREATMENT	083	Numeric	9(3)	41	43
ALT-TREATMENT	084	Numeric	9(3)	44	46
MILESTONE-CODE	085	A/N	X(1)	47	47
TARGET-DATE	086	Numeric	9(5)	48	52

Date: 5 / 17 / 76 **Revision Date** / / **Revision #**

RECORD LAYOUT

KEY FIELDS: REGION, STATE, PWS-ID, VE-ID

FIELD DESCRIPTION

[illegible]

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RECORD LAYOUT

KEY FIELDS: REGION, STATE, PWS-ID, VE-ID

FIELD DESCRIPTION

[illegible]

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: VARIANCE & EXEMPTION FILE I.D.: VAEXT
TRANSACTIONS
 RECORD NAME: V & E TRANS (00/01) RECORD FORMAT: F
 RECORD LENGTH: 65
 SUBSYSTEMS: Edit. Update
 KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
VE-ID	078	Numeric	9(5)	12	16
TRAN-CODE	097	A/N	X(2)	17	18
BATCH-NUM	098	Numeric	9(4)	19	22
TRAN-NUM	099	Numeric	9(2)	23	24
VE-TYPE	079	A/N	X(1)	25	25
VE-STATUS	080	A/N	X(1)	26	26
EFFECTIVE-DATE	024	Numeric	9(5)	27	31
EXPIRATION-DATE	081	Numeric	9(5)	32	36
REASON-CODE	095	A/N	X(2)	37	38
CONTAMINANT-ID	053	Numeric	9(4)	39	42
MODIFIED-MCL	082	Numeric	9(6)	43	48
TREATMENT	083	Numeric	9(3)	49	51

Date: 5 / 19 / 76 Revision Date / / Revision # _____

RECORD LAYOUT

FIELD DESCRIPTION

[illegible]

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: VARIANCE AND EXEMPTION
EXPANDED SORT FILE **FILE I.D.:** VEESF
RECORD NAME: EXPANDED VARIANCE/
EXEMPTION RECORD **RECORD FORMAT:** F
RECORD LENGTH: 300
SUBSYSTEMS: Periodic Reporting
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
ENTIRE VARIANCE/EXEMPTION RECORD FROM VAEXF		A/N	X(75)	1	75
PWS-NAME	004	A/N	X(30)	76	105
PWS-ADDRESS-L1	005	A/N	X(30)	106	135
PWS-ADDRESS-L2	006	A/N	X(30)	136	165
STATE-ADR	007	A/N	X(2)	166	167
ZIP	008	Numeric	9(5)	168	172
PLANT ADDRESS				173	239
. PWS-ADDRESS-L1	005	A/N	X(30)	173	202
. PWS-ADDRESS-L2	006	A/N	X(30)	203	232
. STATE-ADR	007	A/N	X(2)	233	234
. ZIP	008	Numeric	9(5)	235	239
REGION-ADMIN	016	A/N	X(2)	240	241
DISTRICT	017	A/N	X(3)	242	244
PWS-TYPE	020	A/N	X(1)	245	246
POP-SERVED	035	Numeric	9(9)	247	255

Date: 6 / 18 / 76 Revision Date / / Revision #

RECORD LAYOUT

FIELD DESCRIPTION

[illegible]

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: VIOLATIONS DETAIL FILE I.D.: VIODT
 RECORD NAME: VIOLATION RECORD FORMAT: F
 RECORD LENGTH: 65
 SUBSYSTEMS: Input
 KEY FIELDS: REGION, STATE, PWS-ID, VIOLATION-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
VIOLATION-ID	111	Numeric	9(5)	12	16
VIOLATION-TYPE	094	A/N	X(1)	17	17
VIOLATION-DATE	093	Numeric	9(5)	18	22
CONTAMINANT-ID	053	Numeric	9(4)	23	26
LAB-ID	044	Numeric	9(5)	27	31
LAB-OWNER	104	Numeric	9(1)	32	32
LAB-AUTHORIZE	105	A/N	X(1)	33	33
ANALYSIS-METHOD	106	Numeric	9(3)	34	36
ANALYSIS-RESULT	107	Numeric	9(6)	37	42
SAMPLES-REQURD	108	Numeric	9(5)	43	47
SAMPLES-RECVD	109	Numeric	9(5)	48	52
VIO-DURATION	110	Numeric	9(3)	53	55

Date: 5/ 24/ 76 Revision Date / / Revision #

RECORD LAYOUT

KEY FIELDS: REGION, STATE, PWS-ID, VIOLATION-ID

FIELD DESCRIPTION

[illegible]

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EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: VIOLATIONS DETAIL FILE I.D.: VIODT
 RECORD NAME: CONTROL RECORD RECORD FORMAT: F
 RECORD LENGTH: 65
 SUBSYSTEMS: Input
 KEY FIELDS: REGION, STATE, PWS-ID, VIOLATION-ID

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
VIOLATION-ID	011	Numeric	9(5)	12	16
TOT-TRAN-COUNT	123	Comp-3	59(7)	17	20
TOT-VIO-COUNT	124	Comp-3	59(11)	21	26
SPARE		A/N	X(39)	27	65

Date: 6 / 18 / 76 Revision Date / / Revision #

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

FILE NAME: VIOLATION SUMMARY TRANSACTIONS **FILE I.D.:** VIOST
RECORD NAME: VIOLATION TRANS (01) **RECORD FORMAT:** F
RECORD LENGTH: 60
SUBSYSTEMS: Edit, Update
KEY FIELDS: _____

FIELD DESCRIPTION

Data Element Mnemonic	Ref No.	Data Type	Picture	Position Start	End
REGION	001	Numeric	9(2)	1	2
STATE	002	A/N	X(2)	3	4
PWS-ID	003	Numeric	9(7)	5	11
TRAN-CODE	097	A/N	X(2)	12	13
BATCH-NUM	098	Numeric	9(4)	14	17
TRAN-NUM	099	Numeric	9(2)	18	19
VIOLATIONS ACCUMULATORS		OCCURS	6 TIMES:		
• VIO-CONTAM-YTD	062	Comp-3	S9(3)	20	55
• VIO-SAMP-YTD	063	Comp-3	S9(3)		
• VIO-OTHER-YTD	064	Comp-3	S9(3)		
SPARE		A/N	X(5)	56	60

Date: 9 / 19 / 76 Revision Date / / Revision #

4. TABLES

The processing tables and their contents are defined in this section. Seven tables are listed in detail, as follows:

- . State table
- . Contaminant table
- . Treatment table
- . Violation type table
- . PWS inventory selection table
- . Variance and exemption selection table
- . Error messages

The remaining tables must be defined by MSIS in conjunction with state EPA personnel. These tables are, as follows:

- . Indian reservation codes(available at EPA Headquarters)
- . PWS deactivation codes
- . Variance/exemption status codes
- . Variance/exemption reason codes
- . Enforcement action milestone codes
- . Enforcement party type codes
- . Enforcement legal status codes

(1). State Table (STATAB)

Region I

<u>State</u>	<u>Postal Code</u>
Connecticut	CT
Maine	ME
Massachusetts	MA
New Hampshire	NH
Rhode Island	RI
Vermont	VT

Region II

New Jersey	NJ
New York	NY
Puerto Rico	PR
Virgin Islands	VI

Region III

Delaware	DE
Maryland	MD
Pennsylvania	PA
Virginia	VA
West Virginia	WV
District of Columbia	DC

Region IV

Alabama	AL
Florida	FL
Georgia	GA
Kentucky	KY
Mississippi	MS
North Carolina	NC
South Carolina	SC
Tennessee	TN

Region V

Illinois	IL
Indiana	IN
Michigan	MI
Minnesota	MN
Ohio	OH
Wisconsin	WI

Region VI

Arkansas	AR
Louisiana	LA
New Mexico	NM
Oklahoma	OK
Texas	TX

Region VII

Iowa	IA
Kansas	KS
Missouri	MO
Nebraska	NE

Region VIII

Colorado	CO
Montana	MT
North Dakota	ND
South Dakota	SD
Utah	UT
Wyoming	WY

Region IX

Arizona	AZ
California	CA
Hawaii	HI
Nevada	NV
American Samoa	AS
Guam	GU
Trust Territories of the Pacific	TT

Region X

Alaska	AK
Idaho	ID
Oregon	OR
Washington	WA

(2). Contaminant Table (CONTAB)

CONTAMINANT CODE

XXXX

X-Group Code

YYY-Individual Contaminant Code

X-GROUP CODE VALUES

0 - Physical

1 - Inorganic Chemicals

2 - Organic Chemicals and Pesticides

3 - Microbiological

4 - Radioactive

9 - Treatment

0-PHYSICAL

0010 - Turbidity

0020 - Chlorine

1-INORGANIC CHEMICALS CONTAMINANTS

1010 - Arsenic

1020 - Barium

1030 - Cadmium

1040 - Chromium

1050 - Fluoride

1060 - Lead

1070 - Mercury

1080 - Nitrate (N)

1090 - Selenium

1010 - Silver

2-PESTICIDES AND ORGANIC CHEMICALS

2010 - Endrin

2020 - Lindane

2030 - Methoxychlor

2040 - Toxaphene

2510 - 2,4,-D

2520 - 2,5,5-TP Silvex

3-MICROBIOLOGICAL

3010 - Coliform

4-RADIOACTIVE CONTAMINANTS

4010 - Combined Radium 226/Radium 228

4020 - Gross Alpha Particle Activity

4030 - Beta Particles and Photon Radioactivity

(3). Treatment Table (TRETAB)

001 - Aeration
002 - Prechlorination
003 - Coagulation
004 - Sedimentation
005 - Filtration
006 - Corrosion Control
007 - Softening
008 - Taste Control
009 - Color Control
010 - Iron Removal
011 - Ammoniation
012 - Fluoridation
013 - Fluoride Removal
014 - Disinfection
999 - Other

(4). Violation Type Table (VIOTAB)

- 1 - MCL
- 2 - Regular Sampling Requirements
- 3 - Check (Repeat) Sampling Requirements
- 4 - State Notification
- 5 - Public Notification
- 6 - Treatment Techniques
- 7 - Compliance Schedule Under a Variance or Exemption
- 8 - Record Keeping

Type 1 = Contaminant violation

Types 2,3 = Sampling violation

Types 4-8 = Other violation

(5). PWS Inventory Selection Table (ISLTAB)

Data Element Mnemonic	File Position		Valid Range	
	Offset	Length	From	To
REGION	1	2	01	10
STATE	3	2		
COUNTY	201	3		
INDIAN-RES	204	3		
REGION-ADMIN	227	2		
DISTRICT	229	3		
PWS-OWNER-TYPE	232	1	1	5
INTERSTATE-CARR	233	1		
PWS-TYPE	234	1		
DEACT-DATE	236	5		
CONSECUTIVE	249	1		
SELLER-ID	250	7		
POP-SERVED	281	9	0	500,000,000
SERVICES-NUM	290	7		
METERS-NUM	297	7		
LAB-CONTROL-CHM	365	1		
LAB-CONTROL-BCT	366	1		
LAB-CONTROL-PHS	367	1		
LAB-CONTROL-RAD	368	1		
LAST-UPDATE	445	5		
V-E-CONTAM-1	450	4		
V-E-CONTAM-2	460	4		
VIO-CONT-YTD-PH	470	2		
VIO-SAMP-YTD-PH	472	2		
VIO-OTHR-YTD-PH	474	2		
VIO-CONT-TOT-PH	476	2		
VIO-SAMP-TOT-PH	478	2		
VIO-OTHR-TOT-PH	480	2		
VIO-CONT-YTD-IN	482	2		
VIO-SAMP-YTD-IN	484	2		
VIO-OTHR-YTD-IN	486	2		
VIO-CONT-TOT-IN	488	2		
VIO-SAMP-TOT-IN	490	2		
VIO-OTHR-TOT-IN	492	2		
VIO-CONT-YTD-PO	494	2		
VIO-SAMP-YTD-PO	496	2		
VIO-OTHR-YTD-PO	498	2		
VIO-CONT-TOT-PO	500	2		
VIO-SAMP-TOT-PO	502	2		
VIO-OTHR-TOT-PO	504	2		
VIO-CONT-YTD-MB	506	2		
VIO-SAMP-YTD-MB	508	2		
VIO-OTHR-YTD-MB	510	2		
VIO-CONT-TOT-MB	512	2		
VIO-SAMP-TOT-MB	514	2		
VIO-OTHR-TOT-MB	516	2		
VIO-CONT-YTD-RA	518	2		
VIO-SAMP-YTD-RA	520	2		

VIO-OTHR-YTD-RA	522	2
VIO-CONT-TOT-RA	524	2
VIO-SAMP-TOT-RA	526	2
VIO-OTHR-TOT-RA	528	2
VIO-CONT-YTD-TR	530	2
VIO-SAMP-YTD-TR	532	2
VIO-OTHR-YTD-TR	534	2
VIO-CONT-TOT-TR	536	2
VIO-SAMP-TOT-TR	538	2
VIO-OTHR-TOT-TR	540	2
SOURCES-NUM	569	2
SOURCE CODE	585	1
	641	1
	697	1
Note: This	753	1
field occurs	809	1
15 times	865	1
	921	1
	977	1
	1033	1
	1089	1
	1145	1
	1201	1
	1257	1
	1313	1
	1369	1
TREATMENT-AERAT	610	1
TREATMENT-PRECH	611	1
TREATMENT-COAGU	612	1
TREATMENT-SEDIM	613	1
TREATMENT-FILTR	614	1
TREATMENT-CORRS	615	1
TREATMENT-SOFTN	616	1
TREATMENT-TASOD	617	1
TREATMENT-IRONR	618	1
TREATMENT-AMMON	619	1
TREATMENT-FLUOR	620	1
TREATMENT-DISIN	621	1
TREATMENT-OTHR	622	1

NOTE: Each treatment field occurs 15 times with appropriate offsets in a manner similar to SOURCE-CODE. Also included in this table is the full name of the data element corresponding to each mnemonic. These names are available in the Data Element Directory.

(6). Variance and Exemption Selection Table (VESTAB)

<u>Data Element Mnemonic</u>	<u>File Position</u>		<u>Valid Range</u>	
	<u>Offset</u>	<u>Length</u>	<u>From</u>	<u>To</u>
REGION	1	2	01	10
STATE	3	2		
VE-TYPE	17	1		
VE-STATUS	18	1	See V/E Status Codes	
EFFECTIVE-DATE	19	5		
EXPIRATION-DATE	24	5		
REASON-CODE	29	2	See V/E Reason Codes	
CONTAMINANT-ID	31	4		
TREATMENT	41	3		
MILESTONE-CODE	47	1		

Also included in this table is the full name of the data element corresponding to each mnemonic. These names are available in the Data Element Directory.

(7). Error Message Table (ERRMSG)

<u>Message Number</u>	<u>Error Message</u>
001	INVALID BATCH HEADER CARD
002	INVALID STATE CODE
003	VALUE MUST BE NON-ZERO
004	VALUE NOT IN RANGE
005	VALUE NOT NUMERIC
006	MSIS INPUT OUT OF BALANCE
007	NOT A VALID DATE
008	FIELD MUST NOT BE BLANK
009	INVALID HEADER SELECTION CARD
010	CONFLICTS WITH ANOTHER DATA ELEMENT
011	NOT CONTAINED IN TABLE
012	NOT A VALID CODE
013	INVALID RELATION
014	FIELD MUST BE BLANK
015	INVALID TRANSACTION CODE
016	RECORD ALREADY EXISTS
017	NO MATCH ON MASTER FILE

IV. SYSTEM REPORTS

IV. SYSTEM REPORTS

This chapter contains layouts and descriptions of all reports which are produced by the system. The layouts show spacing, totaling and data element editing requirements. Brief descriptions of each report preface the layouts. The descriptions and the reports are organized numerically within subsystem.

1. INPUT SUBSYSTEM REPORTS

EDIT010R1 - Data Entry Batch Control and Error Report: PWS Inventory

Lists rejected transactions and batch control totals for PWS inventory card transactions.

EDIT010R2 - PWS Inventory Transaction List

Lists accepted PWS inventory card transactions. Since there are 13 different card formats, a plastic template should be developed to facilitate reading this report.

EDIT020R1 - Data Entry Batch Control and Error Report: Enforcement Actions

Lists rejected transactions and batch control totals for enforcement action card transactions.

EDIT020R2 - Enforcement Transaction List

Lists accepted enforcement action card transactions.

EDIT030R1 - Data Entry Batch Control and Error Report: Variances and Exemptions

Lists rejected transactions and batch control totals for variance and exemption card transactions.

- EDIT030R2 - Variance and Exemption Transaction List
Lists accepted variance and exemption card transactions.
- EDIT040R1 - Data Entry Batch Control and Error Report: Summary Violations
Lists rejected transactions and batch control totals for summary violation card transactions.
- EDIT040R2 - Summary Violation Transaction List
Lists accepted summary violation card transactions.
- EDIT050R1 - MSIS Violations Transaction List
Lists summary violation transactions created from MSIS detail violation input. Also lists control totals and control messages.

2. UPDATE SUBSYSTEM REPORTS

- UPDT010R1 - Update Control and Error Report: PWS Inventory
Lists rejected transactions and update control totals for PWS inventory card transaction update.
- UPDT010R2 - Update Report: PWS Inventory File
Lists all posted transactions showing each field by field change made to PWS Inventory File by card transactions.
- UPDT020R1 - MSIS Update Report: PWS Inventory File
Lists all transactions posted to PWS Inventory File from MSIS input indicating action taken. Also shows update control totals and messages.
- UPDT030R1 - Update Control and Error Report: Summary Violations
Lists rejected transactions and update control totals for all PWS inventory violation transactions.
- UPDT030R2 - Update Report: PWS Inventory/Violations
Lists all posted violation transactions showing each field by field change made to PWS Inventory File.

UPDT040R1 - Year-End PWS Inventory Control and Deletion List

Lists records deleted from PWS Inventory File during year-end processing. Also lists file control totals.

UPDT050R1 - Update Control and Error Report: Variances and Exemptions

Lists rejected transactions and update control totals for variance and exemption card transaction update.

UPDT050R2 - Update Report: Variances and Exemptions

Lists all posted transactions showing each field by field change made to the Variance and Exemption File by card transactions.

UPDT060R1 - MSIS Update Report: Variances and Exemptions

Lists all transactions posted to Variance and Exemption File from MSIS input indicating action taken. Also shows update control totals and messages.

3. PERIODIC REPORTING SUBSYSTEM REPORTS

PRRP010R1 - Selection Translation and Error Report: PWS Inventory

Lists the selection parameters for the PWS inventory reports indicating any errors.

PRRP020R1 - Public Water Systems Comprehensive Listing

Lists all PWS's meeting the selection parameters, one per page, showing all PWS inventory data.

PRRP020R2 - Public Water Systems Detailed Listing

Lists all PWS's meeting the selection parameters, two per page, showing all PWS inventory data.

PRRP020R3 - Public Water Systems Address, Capacity & Source Data

Lists all PWS's meeting the selection parameters, twelve per page, showing name and address, sources, capacities, production, meters and services.

PRRP020R4 - Public Water Systems State Discretionary Data

Lists all PWS's meeting the selection parameters, two lines per PWS, showing all state discretionary data and variances and exemptions.

PRRP020R5 - Public Water Systems Service Area and Source Data

Lists all PWS's meeting the selection parameters, one line per PWS, showing name, location and summarized source data.

PRRP020R6 - Public Water Systems Codes and Miscellaneous Data

Lists all PWS's meeting the selection parameters, one line per PWS, showing all data which is not included on reports R1-R5.

PRRP030R1 - Selection Translation and Error Report: Variances and Exemptions

Lists the selection parameters for the Variance and Exemption Review List, indicating any errors.

PRRP040R1 - Variance and Exemption Review List

Lists all variance and exemption records meeting the selection parameters, three lines per item. All variance and exemption data is shown as well as PWS name, address and population.

4. ANNUAL REPORTING SUBSYSTEM REPORTS

ANRP020R1 - Compliance Profile Showing Number of Public Water Systems

Summarizes water quality compliance data. Shows number and percentage of public water systems within various categories based on number of violations.

ANRP020R2 - Compliance Profile Showing Population Served

Summarizes water quality compliance data. Shows number and percentage of population served within various categories based on number of violations.

- ANRP030R1 - Number of Facilities and Population Served by Type of Ownership
- Shows this information by population category and by state.
- ANRP030R2 - Percentage of Facilities and Population Served by Type of Ownership
- Shows this information by population category and by state.
- ANRP030R3 - Number of Facilities and Population Served by Type of Water Supply Source
- Shows this information by population category and by state.
- ANRP030R4 - Percentage of Facilities and Population Served by Type of Water Supply Source
- Shows this information by population category and by state.
- ANRP030R5 - Number of Facilities and Population Served by Treatment
- Shows this information by population category and by state.
- ANRP030R6 - Percentage of Facilities and Population Served by Treatment
- Shows this information by population category and by state.
- ANRP030R7 - Number of Facilities and Population Served by Treatment for Surface Only Supplies
- Shows this information by population category and by state.
- ANRP030R8 - Number of Facilities and Population Served by Treatment for Ground Only Supplies
- Shows this information by population category and by state.

- ANRP030R9 - Number of Facilities and Population Served by Treatment for Surface and Ground Supplies
- Shows this information by population category and by state.
- ANRP030R10- Number of Facilities and Population Served by Type of Lab Control
- Shows this information by population category and by state.
- ANRP030R11, 11A, 11B - Number of Facilities and Population Served by Treatment
- Shows this information by population category and by state.
- ANRP030R12, 12A, 12B - Percentage of Facilities and Population Served by Treatment Process
- Shows this information by population and by state.
- ANRP030R13- Average Number of Persons per Service
- Shows this information by population category and by state.
- ANRP030R14- Percentage of Services Metered
- Shows this information by population category and by state.
- ANRP030R15- Percentage of Distribution Storage as Maximum Daily Production
- Shows this information by population category and by state.
- ANRP030R16- Percent of Capacity as Maximum Daily Production
- Shows this information by state and by population category and by percentage category.
- ANRP030R17- Maximum Per Capita Daily Water Use
- Shows this information by state.

- ANRP040R1 - Enforcement Action Summary by Population
Shows number of enforcement actions occurring by state, by population category and by type.
- ANRP040R2 - Enforcement Action Summary by Type and Source
Shows number of enforcement actions occurring by state, by type of action and by type of water source.
- ANRP050R1 - Violation Summary by Population
Shows number of violations occurring by state, by population category and by type.
- ANRP050R2 - Violation Summary by Type and Source
Shows number of violations occurring by state, by contaminant category, by type of violation and by type of water source.
- ANRP060R1 - Variance and Exemption Summary by Population
Shows number of variances and exemptions by state, by population category and by type.
- ANRP060R2 - Variance and Exemption Summary by Source Type
Shows number of variances and exemptions by state, by type and by type of water source.

5. REPORT LAYOUTS

This section contains a report layout for each report produced by the four subsystems. Field editing, spacing and totaling requirements are shown on the layouts. The reports are organized numerically by program number within subsystem.

EDIT010R1

DATA ENTRY BATCH CONTROL AND ERROR REPORTS: PWS INVENTORY

DATE 99/99/99

PAGE

EPA REGION Z9 STATE XX BATCH ZZZ9

TRAN	1	2	3	4	5	6	7	8	DATA ELEMENT	COLUMNS	EXPLANATION
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NUM	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890			
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99	X								X	X	99-99	X
----	---	--	--	--	--	--	--	--	---	---	-------	---

BATCH TOTALS: BATCH ZZZ9 TOTAL TRANSACTIONS Z9 ***** BATCH OUT OF BALANCE *****
TRANSACTIONS ACCEPTED Z9
TRANSACTIONS REJECTED Z9

RUN TOTALS: TOTAL BATCHES ZZ9
BATCHES ACCEPTED ZZ9
BATCHES REJECTED ZZ9
BATCHES IN BALANCE ZZ9
BATCHES OUT OF BALANCE Z9

PAGE BREAK - NEW BATCH
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

EDIT 010R2

PWS INVENTORY TRANSACTION LIST

DATE 99/99/99

EPA REGION Z9 STATE XX

CARD IMAGE

BATCH NUM	TRAN NUM	PWS ID	1 1234567890	2 1234567890	3 1234567890	4 1234567890	5 1234567890	6 1234567890	7 1234567890	8 1234567890
ZZZ9	Z9	9999999	X							X

STATE XX TOTAL TRANSACTIONS ZZ,ZZ9

PAGE BREAK - NEW STATE
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

EDIT020R1 DATA ENTRY BATCH CONTROL AND ERROR REPORT: ENFORCEMENT ACTIONS PAGE

DATE 99/99/99 EPA REGION Z9 STATE XX BATCH ZZZ9

TRAN	1	2	3	4	5	6	7	8	DATA ELEMENT	COLUMNS	EXPLANATION
NUM	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890			
99	X							X	X	99-99	X

BATCH TOTALS: BATCH ZZZ9 TOTAL TRANSACTIONS Z9 ***** BATCH OUT OF BALANCE *****
TRANSACTIONS ACCEPTED Z9
TRANSACTIONS REJECTED Z9

RUN TOTALS: TOTAL BATCHES ZZ9
BATCHES ACCEPTED ZZ9
BATCHES REJECTED ZZ9
BATCHES IN BALANCE ZZ9
BATCHES OUT OF BALANCE Z9

PAGE BREAK - NEW BATCH
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

ENFORCEMENT TRANSACTION LIST

PAGE ZZZZ9

PA REGION Z9 STATE XX

ATCH	TRAN	PWS	ID	CASE	LEGAL	REFER	CLOS	PLAIN	-MILESTONES-														
									TARGET	ACTUAL	C	TARGET	ACTUAL	C	TARGET	ACTUAL	C	TARGET	ACTUAL	C			
				ID	ACTION	DT	STAT	DEFND	DATE	DATE	D	DATE	DATE	D	DATE	DATE	D	DATE	DATE	D	DATE	DATE	D
9999	99999999	99999	X	99999	X	X	X	X	9999999	9999999	X	9999999	9999999	X	9999999	9999999	X	9999999	9999999	X	9999999	9999999	X
99				99/99/99	X	X	X	X	9999999	9999999	X	9999999	9999999	X	9999999	9999999	X	9999999	9999999	X	9999999	9999999	X
									9999999	9999999	X	9999999	9999999	X	9999999	9999999	X	9999999	9999999	X	9999999	9999999	X

STATE XX TOTAL TRANSACTIONS ZZ,ZZ9

AGE BREAK - NEW STATE
PACING - SINGLE
- DOUBLE BEFORE TOTALS

EDIT030R1

DATA ENTRY BATCH CONTROL AND ERROR REPORT: VARIANCES AND EXEMPTIONS

DATE 99/99/99

PAGE

EPA REGION Z9 STATE XX BATCH ZZZ9

TRAN	1	2	3	4	5	6	7	8			
NUM	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	DATA ELEMENT	COLUMNS	EXPLANATION
99	X								X	X	99-99

BATCH TOTALS: BATCH ZZZ9 TOTAL TRANSACTIONS Z9 ***** BATCH OUT OF BALANCE *****
TRANSACTIONS ACCEPTED Z9
TRANSACTIONS REJECTED Z9

RUN TOTALS: TOTAL BATCHES ZZ9
BATCHES ACCEPTED ZZ9
BATCHES REJECTED ZZ9
BATCHES IN BALANCE ZZ9
BATCHES OUT OF BALANCE Z9

PAGE BREAK - NEW BATCH
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

EDIT030R2															
DATE 99/99/99															
VARIANCE AND EXEMPTION TRANSACTION LIST															
PAGE ZZZ9															
EPA REGION Z9 STATE XX															
BATCH	TRAN			TRAN	V/		EFFECTIVE	EXPIRATION		CONTAM	MODIFIED	TREAT	ALTER	MILE-	TARGET
NUM	NUM	PWS ID	V&E ID	CODE	E	STAT	DATE	DATE	REASON	-INANT	MCL	-MENT	-NATE	STONE	DATE
ZZZ9	Z9	99999999	99999	99	X	9	99/99/99	99/99/99	99	9999	999999	999	999	9	99/99/99
STATE XX TOTAL TRANSACTIONS ZZ,ZZ9															
PAGE BREAK - NEW STATE															
SPACING - SINGLE															
- DOUBLE BEFORE TOTALS															

EDIT040R1

DATA ENTRY BATCH CONTROL AND ERROR REPORT: SUMMARY VIOLATIONS

DATE 99/99/99

PAGE

EPA REGION Z9 STATE XX BATCH ZZZ9

TRAN	1	2	3	4	5	6	7	8	DATA ELEMENT	COLUMNS	EXPLANATION
NUM	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890			
99	X							X	X	99-99	X

BATCH TOTALS:	BATCH ZZZ9	TOTAL TRANSACTIONS	Z9
		TOTAL VIOLATIONS	ZZ,ZZ9
		TRANSACTIONS ACCEPTED	Z9
		TRANSACTIONS REJECTED	Z9

***** BATCH OUT OF BALANCE *****

RUN TOTALS:	TOTAL BATCHES	ZZ9
	BATCHES ACCEPTED	ZZ9
	BATCHES REJECTED	ZZ9
	BATCHES IN BALANCE	ZZ9
	BATCHES OUT OF BALANCE	Z9

PAGE BREAK - NEW BATCH
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

EDIT#40R2

SUMMARY VIOLATIONS TRANSACTION LIST

DATE 99/99/99

PAGE ZZZ9

EPA REGION Z9 STATE XX

BATCH	TRAN			TRAN	----	PHYSICAL	----	INORGANIC	CHEMS-	PEST, &	ORGANIC-	MICROBIOLOGICAL-	----	RADIOACTIVE	----	TREATMENT	----		
NUM	NUM	PWS	ID	CODE	CONTM	SAMPL	OTHER	CONTM	SAMPL	OTHER	CONTM	SAMPL	OTHER	CONTM	SAMPL	OTHER	CONTM	SAMPL	OTHER
ZZZ9	Z9	9999999	99		ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ

STATE XX TOTAL TRANSACTIONS ZZ,ZZ9 VIOLATIONS ZZZZ,ZZ9

PAGE BREAK - NEW STATE
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

EDIT050R1

MSIS VIOLATIONS TRANSACTION LIST

DATE 99/99/99

PAGE ZZZ9

EPA REGION Z9 STATE XX

BATCH	TRAN	TRAN	----	PHYSICAL	----	INORGANIC	CHEMS	----	PEST. & ORGANIC	----	MICROBIOLOGICAL	----	RADIOACTIVE	----	TREATMENT	----		
NUM	NUM	PWSID	CODE	CONTM	SAMPL	OTHER	CONTM	SAMPL	OTHER	CONTM	SAMPL	OTHER	CONTM	SAMPL	OTHER	CONTM	SAMPL	OTHER
ZZZ9	Z9	9999999	99	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ	ZZZ

BATCH TOTALS:	BATCH ZZZ9	TOTAL TRANSACTIONS	Z9
		TOTAL VIOLATIONS	Z,ZZ9
		TOTAL SUMMARIZED	Z,ZZ9

***** STATE INPUT OUT OF BALANCE

RUN TOTALS:	TOTAL TRANSACTIONS	Z,ZZ9
	TOTAL VIOLATIONS	ZZZZ,ZZ9
	TOTAL SUMMARIZED	ZZZ,ZZ9

PAGE BREAK - NEW STATE

SPACING - SINGLE
- DOUBLE BEFORE TOTALS

JPDT010R1

DATE 99/99/99

UPDATE CONTROL AND ERROR REPORTS: PWS INVENTORY

PAGE ZZZ9

EPA REGION Z9 STATE XX

BATCH NUM	TRAN NUM	PWS ID	1	2	3	4	5	6	7	8	REJECT REASON
ZZZ9	Z9	9999999	X							X	X
STATE XX TOTALS:			POSTED	ZZZZ9	REJECTED	ZZZZ9					
RUN TOTALS:			POSTED	ZZZZ9	REJECTED	ZZZZ9					

PAGE BREAK - NEW STATE
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

DATE 99/99/99

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PAGE ZZZZ9

REG STATE

PWS ID

LAST UPDATE

DATA ELEMENT

OLD VALUE

NEW VALUE

29

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99/99/99

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PAGE BREAK - NEW STATE

SPACING - SINGLE

UPDT020R1

MSIS UPDATE REPORT: PWS INVENTORY FILE

DATE 99/99/99

PAGE ZZ9

EPA REGION	STATE	PWS ID	LAST UPDATE	ACTION TAKEN
Z9	XX	9999999	99/99/99	X-----X

STATE XX TOTALS: TOTAL INPUT ZZ,ZZ9
 RECORDS ADDED ZZ,ZZ9
 RECORDS CHANGED ZZ,ZZ9

**** STATE INPUT OUT OF BALANCE ****

RUN TOTALS: TOTAL INPUT ZZ,ZZ9
 RECORDS ADDED ZZ,ZZ9
 RECORDS CHANGED ZZ,ZZ9

PAGE BREAK - NEW STATE
 SPACING - SINGLE
 - DOUBLE BEFORE TOTALS

UPDATE CONTROL AND ERROR REPORT: SUMMARY VIOLATIONS

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 : PAGE ZZZZ9
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REJECT REASON
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100. <u>REJECT REASON</u>

ZZZ9 Z9 9999999 X

RUN TOTALS;	POSTED	ZZZZ9
	REJECTED	ZZZZ9

PAGE BREAK - NEW STATE
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

UPDATE REPORT; PWS INVENTORY / VIOLATIONS

PAGE ZZZZ9

OLD VALUE

NEW VALUE

[illegible]

-100-

UPDT040R1

YEAR END PWS INVENTORY CONTROL & DELETION LIST

PAGE ZZ9

DATE 99/99/99

EPA REGION	STATE	PWS ID	LAST UPDATE	DEACTIVATION DATE	DEACTIVATION REASON
z9	XX	9999999	99/99/99	99/99/99	X-----X

STATE XX TOTALS:	RECORDS READ	zzz,zzz9
	RECORDS WRITTEN	zzz,zzz9
	RECORDS DELETED	zzz,zzz9

RUN TOTALS:	RECORDS READ	zzz,zzz9
	RECORDS WRITTEN	zzz,zzz9
	RECORDS DELETED	zzz,zzz9

PAGE BREAK - NEW STATE
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

UPDT050R1		UPDATE CONTROL AND ERROR REPORT: VARIANCES AND EXEMPTIONS																PAGE zzz9		
DATE 99/99/99																				
EPA REGION z9 STATE XX																				
BATCH	TRAN	PWS ID		1		2		3		4		5		6		7		8		REJECT REASON
NUM	NUM			1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890		
zzz9	z9	9999999	X															X	X	X
STATE XX TOTALS:				POSTED zzzz9																
				REJECTED zzzz9																
RUN TOTALS:				POSTED zzzz9																
				REJECTED zzzz9																
PAGE BREAK - NEW STATE																				
SPACING - SINGLE																				
- DOUBLE BEFORE TOTALS																				

UPDT050R2

UPDATE REPORT: VARIANCES AND EXEMPTIONS

PAGE ZZZ9

DATE 99/99/99

REG	STATE	PWS ID	V/E ID	LAST UPDATE	DATA ELEMENT	OLD VALUE	NEW VALUE
Z9	XX	9999999	99999	99/99/99	X-----X	X-----X	X-----X

PAGE BREAK - NEW STATE
SPACING - SINGLE

UPDT060R1

DATE 99/99/99

MSIS UPDATE REPORT; VARIANCES AND EXEMPTIONS

PAGE ZZZ9

EPA REGION	STATE	PWS ID	V/E ID	LAST UPDATE	ACTION TAKEN
Z9	XX	9999999	99999	99/99/99	X _____ X

STATE XX TOTALS: TOTAL INPUT ZZ,ZZ9
 RECORDS ADDED ZZ,ZZ9
 RECORDS CHANGED ZZ,ZZ9

**** STATE INPUT OUT OF BALANCE ****

RUN TOTALS: TOTAL INPUT ZZ,ZZ9
 RECORDS ADDED ZZ,ZZ9
 RECORDS CHANGED ZZ,ZZ9

PAGE BREAK - NEW STATE
 SPACING - SINGLE
 - DOUBLE BEFORE TOTALS

PRRP010R1										SELECTION TRANSLATION AND ERROR REPORT: PWS INVENTORY										PAGE ZZ9									
DATE 99/99/99																													
REPORT X-----X ADDRESS X-----X																													
CARD NO	OPERAT	MNEMONIC	FIELD NAME							SORT SEQ	RELATION	INPUT RANGE		ERROR MESSAGE															
												FROM	TO																
99	XXX	X-----X	X-----X	X-----X	X-----X	X-----X	X-----X	X-----X	X-----X	99	X-----X	X-----X	X-----X	X-----X	X-----X	X-----X	X-----X												
TOTAL CARDS READ		ZZ9																											
TOTAL CARDS PUNCHED		ZZ9																											
PAGE BREAK - NEW HEADER CARD																													
SPACING - DOUBLE																													

PUBLIC WATER SYSTEMS COMPREHENSIVE LISTING														
PRRP020R1										PAGE ZZZZZ9				
DATE 99/99/99														
EPA REGION: Z9 SURVEILLANCE STATE: X X														
PWS ID: 9999999 NAME: X										X MAILING ADDRESS: X X				
REGION: XX DISTRICT: XXX CYCLE: 99 BEGIN DATE: 99/99 LAST UPDATE: 99/99/99										XX 99999 SERVICE AREA LOCATION:				
PWS TYPE: X OWNER TYPE: X CONSECUTIVE: X SELLER ID: 9999999 TYPE: X X										XX 99999 CITY: X X				
EFFECTIVE: 99/99/99 ACTIVITY CODE: X DEACTIVATION RSN: X DEACTIVATION DATE: 99/99/99 REGULATION CODE: X MANUAL REF: X X										COUNTY: 999				
BACTI REPORTING CODE: X TURBIDITY REPORTING CODE: X OPERATING RPT: X DATE LAST OPERATING RPT: 99/99 INTERSTATE CARRIER CODE: X										INDIAN RES: 999				
SERVICE AREA CHARACTERISTICS: RESIDENTIAL: X COMPANY TOWN: X RECREATION: X MOBILE HOME PARK: X INSTITUTION: X										PHONE: 999-999-9999				
SCHOOL: X MOTEL: X RESTAURANT: X SERVICE STATION: X CAMPGROUND: X PICNIC AREA: X														
LODGE: X MARINA: X SKI RESORT: X BATHING: X VISITOR CENTER: X HIGHWAY REST AREA: X														
AIRPORT: X OTHER: X														
POPULATION SERVED: ZZZ,ZZZ,ZZZ NUMBER OF SERVICES: Z,ZZZ,ZZZ NUMBER OF METERS: Z,ZZZ,ZZZ NUMBER OF CONSECUTIVE PWS'S: ZZZZ9														
DESIGN CAPACITY: Z,ZZZ,ZZZ,ZZZ														
NORMAL CAPACITY: Z,ZZZ,ZZZ,ZZZ EMERGENCY POWER: Z,ZZZ,ZZZ,ZZZ STORAGE CAPACITY: Z,ZZZ,ZZZ,ZZZ MAXIMUM PRODUCTION: Z,ZZZ,ZZZ,ZZZ														
VIOLATION ACCUMULATORS:														
STATE DISCRETIONARY: BACTI: MONTHLY MONITORING: 9 SAMPLES/QTR: 999														
SEASON STARTS: 99/99 ENDS: 99/99														
MONITOR FREQ: 999 DAYS CHLORINE RESID: 99% OF SAMPLS														
TURBIDITY: MODIFIED MCL: 9.9 TU RADIOACTIVE MONITORING 9														
ORGANIC CHEMS: SAMPLING PERIOD STARTS: 99/99 ENDS: 99/99 SAMPLING WAIVED: 9														
INORGANIC CHEMICALS: NITRATE MONITORING FREQUENCY: 999 DAYS														
LABORATORY CONTROL BACTERIOLOGICAL: 9 PHYSICAL: 9 INORGANIC: 9 ORGANIC: 9 RADIOLOGICAL: 9 AVERAGE AIR TEMP: ZZZ.9														
AND USAGE (LABS-ID/CAPTIVE FLAG): 99999/9 99999/9 99999/9 99999/9 99999/9														
FOLLOW UP (CONTAMINANT-ID/FREQUENCY): 9999/999 9999/999 VARIANCE OR EXEMPTION (CONTAMINANT-ID/MCL): 9999/999999 9999/999999														
TREATMENTS:														
A P C S F C S T I A F D O														
E R O E I O O A R M I T														
R C A D L R F S O M U S H														
T H G I T O T T N O O N R														
SOURCE NUMBER	SOURCE NAME	SOURCE TYPE	NUMBER OF WELLS	AVAIL CODE	BASIN NUMBER	LATITUDE	LONGITUDE							
99	X	X	X	X	X	XXX XX XX	XXX XX XX	X X X X X X X X X X X X						

PRR020R2

PUBLIC WATER SYSTEMS DETAILED LISTING

PAGE ZZZZZ

DATE 99/99/99

EPA REG/ST/PWS Z9 XX 9999999	X	999-99-9999	SERVICE AREA X	X 999	FILE RF X	X
REGION XX	UPDATED 99/99/99	X	PWS TYPE X	OWNER TP X	--CHARACTERISTICS--	
DISTR XXX	EFF DT 99/99/99	X	OPER RPT 9	REGUL CD X	RCRMISMRSCLPLMSBVHAO	
CYCLE 99	BEG DT 99/99	X	LAST RPT 99/99	ACTIV CD 9	SMEONCOSEGIDAKTIWIT	
INDIAN 999	CONSEC 9	X	DEACT CD 9	BACTI RP X	DPCBSHTTRDCGRIHSYRH	
IN CARR 9	SELLER 9999999 9	X	DEACT DT 99/99/99	TURBI RP X	X	
-PLANT LOCATION-						
POPULATION ZZZ,ZZZ,ZZZ	NUM SERVICES ZZZZ,ZZZ					
NORMAL CAP ZZZZ,ZZZ,ZZZ	NUM METERS ZZZZ,ZZZ	STATE	-BACTERIOLOGICAL-	-TU-	-ORGANIC-	-INORG-
DESIGN CAP ZZZZ,ZZZ,ZZZ	CONSECTV PWS ZZZZ,ZZZ	DSCR: MNTH MON 9	FREQ 999	9.9	START 99/99	NITRT 999
EMERG POWR ZZZZ,ZZZ,ZZZ	MAX PROD ZZZZ,ZZZ,ZZZ	SAMP/QTR 999	CHLOR 99%		END 99/99	RADIOACT 9
STORAG CAP ZZZZ,ZZZ,ZZZ	AVG AIR TEMP ZZZ.Z	START 99/99	END 99/99		WAIVE 9	
						-TREATMENTS-
						APCSFCSTIADFO

-LAB CTL-	ID	SOURCE	NUM	NAME	TYP	WELLS	AVL	BASIN	LATITUDE	LONGITUDE	RCGDIROORMLST
BACTRIOLG 9 99999 9	FOLLOW UP	DATA: 99	X	X	X	Z9	X	9999999	99 99 99	999 99 99	X
PHYSICAL 9 99999 9	ID/FRQ										
INORGANIC 9 99999 9	9999/999										
ORGANIC 9 99999 9	9999/999										
RADIOLOG 9 99999 9											

VIOLATIONS	YEAR-TO-DATE	TOTAL
PHYSICAL	ZZ,ZZZ	Z,ZZZ,ZZZ
INORGANIC CHEMS	ZZ,ZZZ	Z,ZZZ,ZZZ
PEST & ORG CHEMS	ZZ,ZZZ	Z,ZZZ,ZZZ
MICROBIOLOGICAL	ZZ,ZZZ	Z,ZZZ,ZZZ
RADIOACTIVE	ZZ,ZZZ	Z,ZZZ,ZZZ
OTHER	ZZ,ZZZ	Z,ZZZ,ZZZ

SPACING - SKIP ONE LINE BEFORE STARTING SECOND PWS

PAGE ZZZZ9

EPA REGION 29

STATE PWS ID

NAME

BACTERIOLOGICAL										TURBIDITY										CHEMICALS																								
OWNER	PWS	MNTHLY	SAMPLS	SEASON	MONITR	CHLOR	MOD	NITRT	ORGN	PERIOD	ORG	RADI	OWNER	PWS	MNTHLY	SAMPLS	SEASON	MONITR	CHLOR	MOD	NITRT	ORGN	PERIOD	ORG	RADI	OWNER	PWS	MNTHLY	SAMPLS	SEASON	MONITR	CHLOR	MOD	NITRT	ORGN	PERIOD	ORG	RADI						
TYPE	TYPE	MONITR	PR	QTR	START	END	FREQ	RESID	MCL	FREQ	START	END	WAV	MIN	TYPE	TYPE	MONITR	PR	QTR	START	END	FREQ	RESID	MCL	FREQ	START	END	WAV	MIN	TYPE	TYPE	MONITR	PR	QTR	START	END	FREQ	RESID	MCL	FREQ	START	END	WAV	MIN

XX. 9999999 X-----X X X X X ZZZ ZZ/ZZ ZZ/ZZ ZZZ ZZ Z,Z ZZZ ZZ/ZZ ZZ/ZZ X X
FOLLOW UP: ZZZZ/ZZZ ZZZZ/ZZZ VAR OR EXEMP: ZZZZ/ZZZZZZ ZZZZ/ZZZZZZ

PAGE BREAK - NEW EPA REGION
SPACING - SINGLE
- DOUBLE BETWEEN EACH PWS

PUBLIC WATER SYSTEMS SERVICE AREA AND SOURCE DATA										PAGE ZZZ9									
DATE 99/99/99		PWS NAME		CITY		---SERVICE AREA---		CITY		CNTY	OWNR	TYPE	POPULATION	SRCS	SGP	APCS	FCS	IA	FDO
XX	9999999	X		X	X			X	X	X	999	X	X	ZZZ,ZZZ,ZZ9	Z9	XXX	XXXXXXXXXXXXX		
STATE TOTAL													ZZZ,ZZZ,ZZ9	ZZ,ZZ9					
REGION TOTAL													ZZZ,ZZZ,ZZ9	ZZ,ZZ9					
NATIONAL TOTAL													ZZZ,ZZZ,ZZ9	ZZ,ZZ9					
PAGE BREAK - NEW EPA REGION																			
SPACING - SINGLE																			
- DOUBLE BEFORE TOTALS																			

PRRP020R6		PUBLIC WATER SYSTEMS CODES AND MISCELLANEOUS DATA																				PAGE ZZZ9	
DATE 99/99/99																							
EPA REGION Z9																							

PRRP030R1

SELECTION TRANSLATION AND ERROR REPORT: VARIANCES AND EXEMPTIONS

PAGE ZZ9

DATE 99/99/99

REPORT X ADDRESS X PERCENTAGE 999

CARD NO	OPERAT	MNEMONIC	FIELD NAME	SORT SEQ	RELATION	INPUT RANGE FROM	TO	ERROR MESSAGE
99	XXX	X	X	99	X	X	X	X

TOTAL CARDS READ ZZ9
TOTAL CARDS PUNCHED ZZ9

PAGE BREAK - NEW HEADER CARD
SPACING - DOUBLE

DATE 99/99/99

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1 PAGE 2229:

EPA REGION 29 STATE X-----X

PWS 9999999 X X

REG/DIST 99/999 STATUS-X

CONTAM/MCL 9999/999999 EFFECTIVE DATE 99/99/99

V/E	X-99999	X
-----	---------	---

C/NC--X S/G/P-X REASON-X

TREATMENT ~~X~~ ~~X~~ EXPIRATION DATE 99/99/99

POPULATION : ZZZ, ZZZ, ZZZ

ALT. TREATMENT X——X MILESTONE X——X 99/99/99

PAGE BREAK - NEW EPA REGION

SPACING - SINGLE

- DOUBLE BETWEEN EACH PWS

ANRP020R1		COMPLIANCE PROFILE SHOWING NUMBER OF PUBLIC WATER SYSTEMS																	
DATE 99/99/99		X-----X																	
EPA REGION Z9		STATE X-----X																	
CONTAMINANT CATEGORY		X-----X																	
VIOLATION CATEGORY		X-----X																	
TYPE OF SOURCE		X-----X																	
TYPE OF ACCUMULATOR		X-----X																	
POPULATION		NUMBER OF VIOLATIONS																	
SIZE	/---0---/ /-1 TO 10- /-11 TO 20- /-21 TO 30- /-31 TO 40- /-41 TO 50- /-51 TO 60- /-OVER 60- /-TOTAL- /	# PWS'S	%	# PWS'S	%	# PWS'S	%	# PWS'S	%	# PWS'S	%	# PWS'S	%	# PWS'S	%	# PWS'S	%	# PWS'S	%
UNDER 100	ZZZZZ ZZ.Z ZZZZZ ZZ.Z ZZZZZ ZZ.Z ZZZZZ ZZ.Z ZZZZZ ZZ.Z ZZZZZ ZZ.Z ZZZZZ ZZ.Z ZZZZZ ZZ.Z ZZZZZ ZZ.Z																		
100 - 150																			
250 - 500																			
500 - 750																			
750 - 1000																			
1000 - 1500																			
1500 - 2000																			
2000 - 3000																			
3000 - 4000																			
4000 - 6000																			
6000 - 8000																			
8000 - 10000																			
10000-15000																			
15000-25000																			
25000-50000																			
50000-100000																			
100000-500000																			
OVER 500,000																			
UNKNOWN																			
TOTAL	ZZZZZZ ZZ.Z ZZZZZZ ZZ.Z ZZZZZZ ZZ.Z ZZZZZZ ZZ.Z ZZZZZZ ZZ.Z ZZZZZZ ZZ.Z ZZZZZZ ZZ.Z ZZZZZZ ZZ.Z																		

ANRP020R2

DATE 99/99/99

COMPLIANCE PROFILE SHOWING
POPULATION SERVED (000)

X-----X

EPA REGION Z9

STATE X-----X

CONTAMINANT CATEGORY X-----X

VIOLATION CATEGORY X-----X

TYPE OF SOURCE X-----X

TYPE OF ACCUMULATOR X-----X

POPULATION

NUMBER OF VIOLATIONS

SIZE	/---0---	/-1 TO 10--/	/-11 TO 20--/	/-21 TO 30--/	/-31 TO 40--/	/-41 TO 50--/	/-51 TO 60--/	/-OVER 60--/	TOTAL---
	POP	POP	POP	POP	POP	POP	POP	POP	POP

UNDER 100	ZZZZZ	ZZ.Z	ZZZZZ	ZZ.Z	ZZZZZ	ZZ.Z	ZZZZZ	ZZ.Z	ZZZZZ	ZZ.Z	ZZZZZ	ZZ.Z	ZZZZZ	ZZ.Z	ZZZZZZ	ZZ.Z
-----------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	--------	------

100 - 150

250 - 500

500 - 750

750 - 1000

1000 - 1500

1500 - 2000

2000 - 3000

3000 - 4000

4000 - 6000

6000 - 8000

8000 - 10000

10000 - 15000

15000 - 25000

25000 - 50000

50000 - 100000

100000 - 500000

OVER 500,000

UNKNOWN

TOTAL	ZZZZZZ	ZZ.Z	ZZZZZZ	ZZ.Z	ZZZZZZ	ZZ.Z	ZZZZZZ	ZZ.Z	ZZZZZZ	ZZ.Z	ZZZZZZ	ZZ.Z	ZZZZZZ	ZZ.Z	ZZZZZZ	ZZ.Z
-------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

NRP030R1											
NUMBER OF FACILITIES AND POPULATION SERVED BY TYPE OF OWNERSHIP											
DATE 99/99/99											
PAGE 29											
MUNICIPALITY INVESTOR FEDERAL STATE OTHER											
POPULATION SIZE GROUPS	NUMBER OF POPULATION	NUMBER OF POPULATION	NUMBER OF POPULATION	NUMBER OF POPULATION	NUMBER OF POPULATION	NUMBER OF POPULATION	NUMBER OF POPULATION	NUMBER OF POPULATION	NUMBER OF POPULATION	NUMBER OF POPULATION	NUMBER OF POPULATION
AND STATES	FACILITIES (000)	FACILITIES (000)	FACILITIES (000)	FACILITIES (000)	FACILITIES (000)	FACILITIES (000)	FACILITIES (000)	FACILITIES (000)	FACILITIES (000)	FACILITIES (000)	FACILITIES (000)
UNDER 100	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
00-250											
50-500											
00-750											
50-1000											
000-1500											
500-2000											
000-3000											
000-4000											
000-6000											
000-8000											
000-10,000											
0,000-15,000											
5,000-25,000											
5,000-50,000											
0,000-100,000											
00,000-500,000											
OVER 500,000											
UNKNOWN											
ALABAMA											
ALASKA											
ALPHABETIC LISTING OF STATES AND TERRITORIES)											
TOTAL	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
PACING - SINGLE											
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES											
- DOUBLE BEFORE TOTALS											

ANRP030R2											
DATE 99/99/99											
PERCENTAGE OF FACILITIES AND POPULATION SERVED BY TYPE OF OWNERSHIP											
PAGE 29											
MUNICIPALITY INVESTORS FEDERAL STATE OTHER % OF % OF % OF % OF % OF % OF % OF % OF % OF % OF % OF % OF FACILTYS POPULATN FACILTYS POPULATN FACILTYS POPULATN FACILTYS POPULATN FACILTYS POPULATN FACILTYS POPULATN											
POPULATION SIZE GROUPS AND STATES	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z
UNDER 100											
100-150											
150-250											
250-500											
500-750											
750-1000											
1000-1500											
1500-2000											
2000-3000											
3000-4000											
4000-6000											
6000-8000											
8000-10,000											
10,000-15,000											
15,000-25,000											
25,000-50,000											
50,000-100,000											
100,000-500,000											
OVER 500,000											
UNKNOWN											
ALABAMA											
ALASKA											
(ALPHABETIC LISTING OF STATES AND TERRITORIES)											
TOTAL	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z
SPACING - SINGLE											
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES											
- DOUBLE BEFORE TOTALS											

ANRP030R3

NUMBER OF FACILITIES AND POPULATION SERVED BY TYPE OF WATER SUPPLY SOURCE

PAGE 29

DATE 99/99/99

POPULATION SIZE GROUPS AND STATES	TOTAL	SURFACE	GROUND	SURFACE AND GROUND	PURCHASED
	NUMBER OF FACILITIES (000)	NUMBER OF FACILITIES (000)	NUMBER OF FACILITIES (000)	NUMBER OF FACILITIES (000)	NUMBER OF FACILITIES (000)

UNDER 100	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
-----------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------

100-250

250-500

500-750

750-1000

1000-1500

1500-2000

2000-3000

3000-4000

4000-6000

6000-8000

8000-10,000

10,000-15,000

15,000-25,000

25,000-50,000

50,000-100,000

100,000-500,000

OVER 500,000

UNKNOWN

ALABAMA

ALASKA

(ALPHABETIC
LISTING OF
STATES AND
TERRITORIES)

TOTAL	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
-------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------

SPACING - SINGLE

- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES

- DOUBLE BEFORE TOTALS

ANRP030R4											
DATE 99/99/99											
PERCENTAGE OF FACILITIES AND POPULATION SERVED BY TYPE OF WATER SUPPLY SOURCE											
PAGE 29											
POPULATION SIZE GROUPS AND STATES	TOTAL		SURFACE		GROUND		SURFACE AND GROUND		PURCHASED		
	% OF FACILTYS	% OF POPULATN	% OF FACILTYS	% OF POPULATN	% OF FACILTYS	% OF POPULATN	% OF FACILTYS	% OF POPULATN	% OF FACILTYS	% OF POPULATN	
	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	
UNDER 100											
100-150											
250-500											
500-750											
750-1000											
1000-1500											
1500-2000											
2000-3000											
3000-4000											
4000-6000											
6000-8000											
8000-10,000											
10,000-15,000											
15,000-25,000											
25,000-50,000											
50,000-100,000											
100,000-500,000											
OVER 500,000											
UNKNOWN											
ALABAMA											
ALASKA											
(ALPHABETIC LISTING OF STATES AND TERRITORIES)											
TOTAL	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	
SPACING - SINGLE											
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES											
- DOUBLE BEFORE TOTALS											

ANRP030R5

DATE 99/99/99

NUMBER OF FACILITIES AND POPULATION SERVED BY TREATMENT

PAGE 29

POPULATION SIZE GROUPS AND STATES	-----TOTAL-----		-----TREATED ONLY-----		-----UNTREATED ONLY-----		-----BOTH-----	
	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)
UNDER 100	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
100-250								
250-500								
500-750								
750-1000								
1000-1500								
1500-2000								
2000-3000								
3000-4000								
4000-6000								
6000-8000								
8000-10,000								
10,000-15,000								
15,000-25,000								
25,000-50,000								
50,000-100,000								
100,000-500,000								
OVER 500,000								
UNKNOWN								
ALABAMA								
ALASKA								
(ALPHABETIC LISTING OF STATES AND TERRITORIES)								
TOTAL	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
SPACING - SINGLE								
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES								
- DOUBLE BEFORE TOTALS								

[illegible]

NUMBER OF FACILITIES AND POPULATION SERVED BY TREATMENT
FOR SURFACE ONLY SUPPLIES

PAGE 29

POPULATION SIZE GROUPS AND STATES	TOTAL		TREATED ONLY		UNTREATED ONLY		BOTH	
	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)
UNDER 100	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
100-250								
250-500								
500-750								
750-1000								
1000-1500								
1500-2000								
2000-3000								
3000-4000								
4000-6000								
6000-8000								
8000-10,000								
10,000-15,000								
15,000-25,000								
25,000-50,000								
50,000-100,000								
100,000-500,000								
OVER 500,000								
UNKNOWN								
ALABAMA								
ALASKA								
(ALPHABETIC LISTING OF STATES AND TERRITORIES)								
TOTAL	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
SPACING - SINGLE								
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES								
- DOUBLE BEFORE TOTALS								

ANRP030R8

DATE 99/99/99

NUMBER OF FACILITIES AND POPULATION SERVED BY TREATMENT FOR GROUND ONLY SUPPLIES

PAGE 29

POPULATION SIZE GROUPS AND STATES	-----TOTAL-----		-----TREATED ONLY-----		-----UNTREATED ONLY-----		-----BOTH-----	
	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)
UNDER 100	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
100-250								
250-500								
500-750								
750-1000								
1000-1500								
1500-2000								
2000-3000								
3000-4000								
4000-6000								
6000-8000								
8000-10,000								
10,000-15,000								
15,000-25,000								
25,000-50,000								
50,000-100,000								
100,000-500,000								
OVER 500,000								
UNKNOWN								
ALABAMA								
ALASKA								
(ALPHABETIC LISTING OF STATES AND TERRITORIES)								
TOTAL	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
SPACING - SINGLE								
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES								
- DOUBLE BEFORE TOTALS								

DATE 99/99/99

NUMBER OF FACILITIES AND POPULATION SERVED BY TREATMENT
FOR SURFACE AND GROUND SUPPLIES

PAGE 29

POPULATION SIZE GROUPS AND STATES	TOTAL		TREATED ONLY		UNTREATED ONLY		BOTH	
	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)
UNDER 100	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
100-250								
250-500								
500-750								
750-1000								
1000-1500								
1500-2000								
2000-3000								
3000-4000								
4000-6000								
6000-8000								
8000-10,000								
10,000-15,000								
15,000-25,000								
25,000-50,000								
50,000-100,000								
100,000-500,000								
OVER 500,000								
UNKNOWN								
ALABAMA								
ALASKA								
(ALPHABETIC LISTING OF STATES AND TERRITORIES)								
TOTAL	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
SPACING - SINGLE								
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES								
- DOUBLE BEFORE TOTALS								

-124-

ANRP030R10

DATE 99/99/99

NUMBER OF FACILITIES AND POPULATION SERVED BY TYPE OF LAB CONTROL

PAGE 29

POPULATION SIZE GROUPS AND STATES	-----CHEMICAL-----		---BACTERIOLOGICAL---		-----PHYSICAL-----		-----RADIOLOGICAL-----	
	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)
UNDER 100	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
100-250								
250-500								
500-750								
750-1000								
1000-1500								
1500-2000								
2000-3000								
3000-4000								
4000-6000								
6000-8000								
8000-10,000								
10,000-15,000								
15,000-25,000								
25,000-50,000								
50,000-100,000								
100,000-500,000								
OVER 500,000								
UNKNOWN								
ALABAMA								
ALASKA								
(ALPHABETIC LISTING OF STATES AND TERRITORIES)								
TOTAL	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz
SPACING - SINGLE								
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES								
- DOUBLE BEFORE TOTALS								

ANRP030R11		NUMBER OF FACILITIES AND POPULATION SERVED BY TREATMENT PROCESS								PAGE 29
DATE 99/99/99		-----PURIFICATION-----		-----DISINFECTION-----		-----TASTE AND ODOR-----		-----SOFTENING-----		
POPULATION SIZE GROUPS AND STATES		NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	
UNDER 100		zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	
100-250										
250-500										
500-750										
750-1000										
1000-1500										
1500-2000										
2000-3000										
3000-4000										
4000-6000										
6000-8000										
8000-10,000										
10,000-15,000										
15,000-25,000										
25,000-50,000										
50,000-100,000										
100,000-500,000										
OVER 500,000										
UNKNOWN										
ALABAMA										
ALASKA										
(ALPHABETIC LISTING OF STATES AND TERRITORIES)										
TOTAL		zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	
SPACING - SINGLE										
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES										
- DOUBLE BEFORE TOTALS										

ANRP030R11A		NUMBER OF FACILITIES AND POPULATION SERVED BY TREATMENT PROCESS								PAGE 29
DATE 99/99/99		-----IRON REMOVAL-----		--FLOURIDE ADJUSTMENT--		--CORROSION CONTROL---		---PRECHLORINATION---		
POPULATION SIZE GROUPS AND STATES	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)	NUMBER OF FACILITIES	POPULATION SERVED(000)		
UNDER 100	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz		
100-250										
250-500										
500-750										
750-1000										
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15,000-25,000										
25,000-50,000										
50,000-100,000										
100,000-500,000										
OVER 500,000										
UNKNOWN										
ALABAMA										
ALASKA										
(ALPHABETIC LISTING OF STATES AND TERRITORIES)										
TOTAL	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz	zzz,zzz		
SPACING - SINGLE										
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES										
- DOUBLE BEFORE TOTALS										

DATE 99/99/99

NUMBER OF FACILITIES AND POPULATION SERVED BY TREATMENT PROCESS

PAGE 29

~~AERATION~~-----~~COAGULATION~~-----~~SEDIMENTATION~~-----~~FILTRATION~~-----~~AMMONIATION~~-----

POPULATION SIZE GROUPS AND STATES	NUMBER OF POPULATION FACILITIES	NUMBER OF POPULATION (000) FACILITIES	NUMBER OF POPULATION (000) FACILITIES	NUMBER OF POPULATION (000) FACILITIES	NUMBER OF POPULATION (000) FACILITIES	NUMBER OF POPULATION (000) FACILITIES
ALABAMA						
ALASKA						
ARIZONA						
ARKANSAS						
CALIFORNIA						
COLORADO						
CONNECTICUT						
DELAWARE						
DISTRICT OF COLUMBIA						
FLORIDA						
GEORGIA						
HAWAII						
IDaho						
ILLINOIS						
INDIANA						
IOWA						
KANSAS						
KENTUCKY						
Louisiana						
Maine						
Maryland						
MASSACHUSETTS						
MICHIGAN						
MINNESOTA						
MISSISSIPPI						
MISSOURI						
MONTANA						
NEBRASKA						
Nevada						
New Hampshire						
New Jersey						
New Mexico						
New York						
NORTH CAROLINA						
NORTH DAKOTA						
OHIO						
Oklahoma						
OREGON						
PENNSYLVANIA						
RHODE ISLAND						
SOUTH CAROLINA						
SOUTH DAKOTA						
Tennessee						
TEXAS						
Utah						
Vermont						
VIRGINIA						
WASHINGTON						
WEST VIRGINIA						
WISCONSIN						
WYOMING						
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[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

ALABAMA

ALASKA

(ALPHABETIC
LISTING OF
STATES AND
TERRITORIES)

TOTAL		ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ
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SPACING - SINGLE
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES
- DOUBLE BEFORE TOTALS

DATA 99/99/99

PERCENTAGE OF FACILITIES AND POPULATION SERVED BY TREATMENT PROCESS

[illegible]

DATA 99/99/99

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

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(ALPHABETIC
LISTING OF
STATES AND
TERRITORIES)

TOTAL

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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DATE 99/99/99											
PERCENTAGE OF FACILITIES AND POPULATION SERVED BY TREATMENT PROCESS											
PAGE 29											
POPULATION SIZE GROUPS AND STATES	-----AERATION-----		---COAGULATION---		---SEDIMENTATION---		---FILTRATION---		---AMMONIATION---		
	% OF FACILTYS	% OF POPULATN	% OF FACILTYS	% OF POPULATN	% OF FACILTYS	% OF POPULATN	% OF FACILTYS	% OF POPULATN	% OF FACILTYS	% OF POPULATN	
UNDER 100	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	
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OVER 500,000											
UNKNOWN											
ALABAMA											
ALASKA											
(ALPHABETIC LISTING OF STATES AND TERRITORIES)											
TOTAL	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	
SPACING - SINGLE											
- DOUBLE BETWEEN POPULATION CATEGORIES AND STATES											
- DOUBLE BEFORE TOTALS											

ANRP030R13		AVERAGE NUMBER OF PERSONS PER SERVICE													
DATE 99/99/99															
STATE	X	UNDER	100-	250-	500-	1000-	1500-	2000-	4000-	6000-	10,000-	25,000-	50,000-	OVER	STATE
		100	250	500	1000	1500	2000	4000	6000	10,000	25,000	50,000	100,000	100,000	AVERAGE
X	X	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z
ALPHABETIC LISTING OF STATES AND TERRITORIES															
TOTAL		zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z	zzz.z
SPACING - SINGLE - DOUBLE BEFORE TOTALS															

ANRP030R14		PERCENTAGE OF SERVICES METERED														
DATE 99/99/99																
STATE		UNDER 100	100- 250	250- 500	500- 1000	1000- 1500	1500- 2000	2000- 4000	4000- 6000	6000- 10,000	10,000- 25,000	25,000- 50,000	50,000- 100,000	100,000- 1,000,000	OVER 1,000,000	STATE AVERAGE
X	X	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z
ALPHABETIC LISTING OF STATES AND TERRITORIES																
TOTAL		ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z	ZZZ.Z
SPACING - SINGLE - DOUBLE BEFORE TOTALS																

ANRP030R15															
DATE 99/99/99															
PERCENTAGE OF DISTRIBUTION STORAGE AS MAXIMUM DAILY PRODUCTION															
-----POPULATION GROUPS-----															
STATE	UNDER 100	100- 250	250- 500	500- 1000	1000- 1500	1500- 2000	2000- 4000	4000- 6000	6000- 10,000	10,000- 25,000	25,000- 50,000	50,000- 100,000	100,000- 100,000	OVER STATE AVERAGE	
X	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	XXX.Z	
ALPHABETIC LISTING OF STATES AND TERRITORIES															
</															

ANRP030R16		PERCENT OF CAPACITY AS MAXIMUM DAILY PRODUCTION													
DATE 99/99/99		POPULATION GROUPS													
STATE		UNDER 250	250- 500	500- 1000	1000- 1500	1500- 2000	2000- 4000	4000- 6000	6000- 10,000	10,000- 25,000	25,000- 50,000	50,000- 100,000	OVER 100,000	STATE TOTAL	
X	X	90	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	ZZ,ZZZ	
		85													
		80													
		75													
		UNDER 75													
X	X	90													
		85													
		80													
		75													
		UNDER 75													
ALPHABETIC LISTING OF STATES AND TERRITORIES															
TOTALS		90													
		85													
		80													
		75													
		UNDER 75													
SPACING - SINGLE															
- DOUBLE AFTER EACH STATE															
- DOUBLE BEFORE TOTALS															

ANRP030R17		MAXIMUM PER CAPITA DAILY WATER USE	
DATE 99/99/99		STATE	POPULATION
			GALLONS/DAY
X		X	zzz,zzz,zzz
ALPHABETIC LISTING OF STATES AND TERRITORIES			zzzz,zzz,zzz
TOTAL			zzz,zzz,zzz
SPACING - SINGLE			zzzz,zzz,zzz
- DOUBLE BEFORE TOTALS			

ANRP040R1
DATE 99/99/99

ENFORCEMENT ACTION SUMMARY BY POPULATION

X-----X

PAGE ZZ9

EPA REGION Z1

STATE	ACTION TYPE	TOTAL	NUMBER OF ENFORCEMENT ACTIONS BY POPULATION GROUP-----												
			UNDER 250	250- 500	500- 1,000	1,000- 2,000	2,000- 5,000	5,000- 10,000	10,000- 25,000	25,000- 50,000	50,000- 100,000	OVER 100,000	POP UNKNOWN		
X	X X	X	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ

STATE TOTAL

REGION TOTAL

NATIONAL TOTAL

PAGE BREAK - NEW EPA REGION
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

ANRP040R2		ENFORCEMENT ACTION SUMMARY BY TYPE AND SOURCE												PAGE ZZ9											
DATE 99/99/99		X-----X																							
EPA REGION		STATE		TOTAL		-----BY TYPE OF SOURCE-----		-----NUMBER OF ENFORCEMENT ACTIONS-----																	
						SURFACE GROUND PURCHASED		-----BY TYPE OF ACTION-----																	
29	X-----X	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ								
REGION TOTAL																									
NATIONAL TOTAL																									
PAGE BREAK - NEW EPA REGION																									
SPACING - SINGLE																									
- DOUBLE BEFORE TOTALS																									

ANRP050R1

DATE 99/99/99

VIOLATION SUMMARY BY POPULATION

X-----X

PAGE ZZ9

EPA REGION Z9

NUMBER OF VIOLATIONS BY POPULATION GROUP

STATE	ACTION TYPE	TOTAL	UNDER 250	250- 500	500- 1,000	1,000- 2,000	2,000- 5,000	5,000- 10,000	10,000- 25,000	25,000- 50,000	50,000- 100,000	OVER 100,000	POP UNKNOWN
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X	X X	X	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ
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STATE TOTAL

REGION TOTAL

NATIONAL TOTAL

PAGE BREAK - NEW EPA REGION
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

ANRP060R1

DATE 99/99/99

VARIANCE AND EXEMPTION SUMMARY BY POPULATION

X-----X

PAGE ZZ9

EPA REGION Z9

STATE	ACTION TYPE	TOTAL	NUMBER OF VARIANCES AND EXEMPTIONS BY POPULATION GROUP									
			UNDER 250	250-500	500-1,000	1,000-2,000	2,000-5,000	5,000-10,000	10,000-25,000	25,000-50,000	50,000-100,000	OVER 100,000

X	X	X	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ	ZZZ,ZZZ
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STATE TOTAL

REGION TOTAL

NATIONAL TOTAL

PAGE BREAK - NEW EPA REGION
SPACING - SINGLE
- DOUBLE BEFORE TOTALS

V. INPUT DOCUMENTS

V. INPUT DOCUMENTS

This chapter contains layouts of the keypunch data entry forms. The first four forms are used to enter transaction items. These will be batched in homogeneous groups by state. The last three forms are report selection documents for use in requesting various periodic and annual reports.

EPA WATER SUPPLY DATA SYSTEM

PWS INVENTORY ENTRY FORM

STATE 1-2 BATCH NUMBER 3-6 TRAIL CODE 8-9 NUMBER OF TRANSACTIONS 10-11

PWS I.D. 1-7 TRAIL CODE 8-9

☐ CHECK ☒ TO ADD NEW PWS INVENTORY

DUP 1-7 01 PWS NAME 10-39 MAILING ADDRESS (STREET) 40-79

DUP 1-7 02 CITY 10-39 STATE 40-41 ZIP CODE 42-46 TELEPHONE NO. 47-56

DUP 1-7 03 PLANT LOCATION: STREET 10-39 PLANT LOCATION: CITY 40-41

DUP 1-7 04 PLANT ADDRESS 10-11 SERVICE AREA LOCATION 12-16 CITY 17-31 COUNTY 32-34 INDIAN RESERV. 35-37

DUP 1-7 05 ACT. CODE 10 INACT. REASON 11 DEACTINATION DATE 12-17 CYCLE TYPE 18-19 OWNER REG. CODE 20 PWS W/STATE TYPE 21 CARRIER REG. 22 DIS. 23 UTIME 24-25 SELLER - ID. 26-28 MONTHLY REPORT 29-31

DUP 1-7 06 POP. SERVED 10-11 NUMBER OF SERVICES 20-26 NUMBER OF METERS 27-33 CONJUGATES 34-36 MONTHLY REPORT 37-39

DUP 1-7 07 NORMAL CAPACITY (GAL/DAY) 10-14 EMERGENCY POWER (GAL/DAY) 20-24 STORAGE (GAL.) 30-34 MAXIMUM DAILY PRODUCTION (G) 40-44 DESIGN CAPACITY 50-54 AVG. AIR TEMP. 60-64

DUP 1-7 08 ON-SITE LABORATORY CONTROL 10-13 LABORATORY USUALLY USED (I.D. NUMBER AND CAPTIVE FLAG) 14-19 BACTERIOLOGICAL 20 INORGANIC 21-24 ORGANIC 25-30 RADIOLOGICAL 31-36 PHYSICAL 37-42

DUP 1-7 09 STATE DISCRETION DATA 10-13 BACTERIOLOGICAL 14-17 MONTHLY INSTEAD OF QUARTERLY 18-21 SUPPLIES PER QUARTER 22-24 SEASON START M M D D 25-28 SEASON ENDS M M D D 29-32 MONITORING FREQUENCY (DAYS) 33-36 RESIDUAL CHARGE APPROVED 37-40

DUP 1-7 10 TURBIDITY: 10-11 MODIFIED MCL 12-13 MONITORING STARTS M M D D 14-17 SEASON ENDS M M D D 18-21 MONITORING WAITED 22-25 NITRATE MONITORING FREQUENCY (DAYS) 26-29 YES/NO 30-33 RADIOLOGICAL MONITORING 34-37

DUP 1-7 12 FOLLOW-UP MONITORING: 10-13 (CONTAMINANT - I.D./FREQUENCY) 14-16 17-20 21-23 (CONTAMINANT - I.D. - MCL) 24-27 28-33 34-37 38-43

WATER SOURCES INFORMATION

SOURCE NUMBER	SOURCE NAME	SOURCE TYPE	WELLS NO.	AVAIL. CODE	BASIN NUMBER	INTAKE LOCATION		TREATMENTS													
						LATITUDE	LONGITUDE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
8-9	10-11	12-16	17-18	19	20	21-22	23-24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
13	01																				
13	02																				
13	03																				
13	04																				
13	05																				
13	06																				
13	07																				
13	08																				
13	09																				
13	10																				
13	11																				
13	12																				
13	13																				
13	14																				
13	15																				

PREPARED BY _____ DATE _____
APPROVED BY _____ DATE _____

-145-

[illegible]

PREPARED BY _____ DATE _____
 APPROVED BY _____ DATE _____

EPA WATER SUPPLY DATA SYSTEM ENFORCEMENT ACTIONS ENTRY FORM

-146-

STATE	BATCH NUMBER	NO. OF TRANS.	TRAN CODE
1 2	3 4 5 6	7 8	9 10 11 12

PWS ID	CASE ID
1 2 3 4 5 6 7	8 9 10 11 12

TRAN CODE	CASE REFERENCE	ACTION DATE	LEGAL STATUS	CASE INDICATOR	PLAINTIFF TYPE	DEFENDANT TYPE
13 14	15 16 17 18 19 20 21 22 23 24 25	26 27 28 29 30 31 32 33	34	35	36	37

TRAN CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE		
13 14	15 16 17 18 19 20 21 22 23 24 25	26 27 28 29 30 31 32 33	34	35 36 37 38 39 40 41 42 43 44 45	46 47 48 49 50 51 52 53	54	55 56 57 58 59 60 61 62 63 64 65	66 67 68 69 70 71 72 73	74	75 76 77 78 79 80 81 82 83 84 85	86 87 88 89 90 91 92 93	94	95 96 97 98 99 100 101 102 103 104 105	106 107 108 109 110 111 112 113	114	115 116 117 118 119 120 121 122 123 124 125	126 127 128 129 130 131 132 133	134	135 136 137 138 139 140 141 142 143 144 145	146 147 148 149 150 151 152 153

PWS ID	CASE ID
1 2 3 4 5 6 7	8 9 10 11 12

TRAN CODE	CASE REFERENCE	ACTION DATE	LEGAL STATUS	CASE INDICATOR	PLAINTIFF TYPE	DEFENDANT TYPE
13 14	15 16 17 18 19 20 21 22 23 24 25	26 27 28 29 30 31 32 33	34	35	36	37

TRAN CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE		
13 14	15 16 17 18 19 20 21 22 23 24 25	26 27 28 29 30 31 32 33	34	35 36 37 38 39 40 41 42 43 44 45	46 47 48 49 50 51 52 53	54	55 56 57 58 59 60 61 62 63 64 65	66 67 68 69 70 71 72 73	74	75 76 77 78 79 80 81 82 83 84 85	86 87 88 89 90 91 92 93	94	95 96 97 98 99 100 101 102 103 104 105	106 107 108 109 110 111 112 113	114	115 116 117 118 119 120 121 122 123 124 125	126 127 128 129 130 131 132 133	134	135 136 137 138 139 140 141 142 143 144 145	146 147 148 149 150 151 152 153

PWS ID	CASE ID
1 2 3 4 5 6 7	8 9 10 11 12

TRAN CODE	CASE REFERENCE	ACTION DATE	LEGAL STATUS	CASE INDICATOR	PLAINTIFF TYPE	DEFENDANT TYPE
13 14	15 16 17 18 19 20 21 22 23 24 25	26 27 28 29 30 31 32 33	34	35	36	37

TRAN CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE	TARGET DATE	ACTUAL DATE	MILESTONE CODE		
13 14	15 16 17 18 19 20 21 22 23 24 25	26 27 28 29 30 31 32 33	34	35 36 37 38 39 40 41 42 43 44 45	46 47 48 49 50 51 52 53	54	55 56 57 58 59 60 61 62 63 64 65	66 67 68 69 70 71 72 73	74	75 76 77 78 79 80 81 82 83 84 85	86 87 88 89 90 91 92 93	94	95 96 97 98 99 100 101 102 103 104 105	106 107 108 109 110 111 112 113	114	115 116 117 118 119 120 121 122 123 124 125	126 127 128 129 130 131 132 133	134	135 136 137 138 139 140 141 142 143 144 145	146 147 148 149 150 151 152 153

PREPARED BY _____ DATE _____
 APPROVED BY _____ DATE _____

PREPARED BY _____ DATE _____
APPROVED BY _____ DATE _____

EPA WATER SUPPLY DATA SYSTEM

PWS INVENTORY REPORT SELECTION ENTRY FORM

-148-

REPORT I.D.									ADDRESS	SORT		RELATION		FROM VALUE										TO VALUE																		
OPERATOR			MNEMONIC																HIERARCHY																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	

PREPARED BY _____ DATE _____
 APPROVED BY _____ DATE _____

EPA WATER SUPPLY DATA SYSTEM VARIANCE AND EXEMPTION REPORT SELECTION ENTRY FORM

REPORT I.D.								ADDRESS		SELECTION PERCENTAGE			SORT HIERARCHY		RELATION		FROM VALUE										TO VALUE										
1								9		10		11		13				21	22	23									32	33							42

PREPARED BY _____ DATE _____
 APPROVED BY _____ DATE _____

EPA WATER SUPPLY DATA SYSTEM ANNUAL REPORT SELECTION ENTRY FORM

REPORT NUMBER										TYPE OF PWS	EPA REGION	STATE	CONTAMINANT CATEGORY	VIOLATION TYPE	SOURCE TYPE	ACCUMULATOR TYPE										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

PREPARED BY _____ DATE _____
 APPROVED BY _____ DATE _____