

## Public Water System Summary For EXAMPLE WATER SYSTEM

AK2XXXXX

### Public Water System Information

Local Name: City of Example    City Served: Example    County Served: A    Active: A    Primary Source: SW    Facility Count: 5    PWS Type: C    Service Connections: 22    Last CCR: 2003

Sanitary Survey Date: 09/07/2004    Surveyor: Surveyor, Joe

### Comments:

### Estimated Use by Population Type

Average Daily Count	Population Type	Annual Operating Period Starts	Annual Operating Period Ends	Effective Begin Date	Effective End Date
47	R	1 / 1	12 / 31	03/01/1978	
5	NT	1 / 1	12 / 31	03/01/1978	

### Public Water System Facilities

Facility Name	Facility Code	Active	Water Type	Available
Example Water System	DS001	A	SW	P
TP For Example Water System	TP001	A	SW	P

### Facility Treatment Information PWS Facility: TP001

Lists of facilities (i.e Distribution Systems, Treatment Plant, & Storage Facilities.)

#### Objective : DISINFECTION Treatment Process

This section provides an overview of the treatment processes of the water system critical information needed to conduct a sanitary survey.

HYPOCHLORINATION, PRE

#### Objective: PARTICULATE REMOVAL Treatment Process

#### Most Common Contact Type Abbreviation

OP = Operator  
AC = Administrative Contact  
OW = Owner  
EC = Emergency Contact

FILTRATION, RAPID SAND

### Administrative / Owner Information

Owner Type	Owner Name	Address	Phone Number	Fax Number
OP	Jones	PO Box XX Example, AK 99XXX	907-XXX-XXXX	907-XXX-XXXX

### Last Sample Date by Analyte Group For Compliance

Coliform	Old Inorganics	New Inorganics	Nitrates	Nitrites	Arsenic	VOC	Gross Alpha
02/07/2006	12/16/2005	12/16/2005	03/23/2005	03/23/2005	12/16/2005	12/16/2005	04/27/2005

Lead/Copper	Asbestos	SOC	TTHM	HAA5	TOC	DPRE
03/23/2005	**NSF	12/16/2005	12/16/2005	12/16/2005	**NSF	**NSF

### Sample Schedule

NSF=No Sample Found

Facility Number	Analyte Group	Analyte Code	Begin Date	End Date	Sample Type	Sample Frequency	Sample Count
AK2XXXXXX	COLIFORM, TOTAL (TCR)	3100	03/01/2006		RT	MN	1
TP001	NITRATE-SINGLE	NIT3	01/01/2006		RT	YR	1
TP001	VOC P2/P5 W/VCL	VC25	01/01/2005		RT	YR	1

\*This is an example of a Data Dump and does not reflect a complete report.

### Inventory Page- (Example on left)

This section provides a basic overview of the water system including source, system type, treatment, facility, and sampling information. The circled information that is not defined is important information to review for Consumer Confidence Reports (CCR) and/or Sanitary Surveys.

#### PWS Type= Lists federal classification of public water systems

C= Community Water System (Class A)    NTNC= Non-Transient Non-Community (Class A)  
NC= Transient Non-Community (Class B)    NP= Non Public (Class C)

### Sample results page-(Example below)

This page is particularly important to completing the detected contaminants table portion of the CCR. This section of the data dump provides sample results for the regulated contaminants during a given time frame. In the example below Barium was detected during testing in 2004, and although it did not exceed the MCL, it was still required to be reported in the CCR. The concentration listed here was reported in the detected contaminant table in the example system's 2004 CCR.

### Public Water System Summary For EXAMPLE WATER SYSTEM

AK2XXXXXX

#### Old Inorganics Sample Results

Each set or type of samples are grouped separately in the data dump.

Lab Assigned ID	Analyte Name	Sample Type*	Comp	Code	Concentration	UOM	Collection Date
IC*A0408301-01	BARIUM	RT	Y	1010	6.30000	UG/L	08/18/2004
IC*A0408301-01	CADMIUM	RT	Y	1015	0.00000	MG/L	08/18/2004
IC*A0408301-01	CHROMIUM	RT	Y	1020	0.00000	MG/L	08/18/2004
II*A0406301-01	FLUORIDE	RT	Y	1025	0.00000		08/18/2004
IC*A0408301-01	MERCURY	RT	Y	1035	0.00000	MG/L	08/18/2004
IC*A0408301-01	SELENIUM	RT	Y	1045	0.00000	MG/L	08/18/2004

#### Nitrate Sample Results

Lab Assigned ID	Analyte Name	Sample Type*	Comp	Code	Concentration	UOM	Collection Date
IN*A0503225-06	NITRATE (AS N)	RT	Y	1040	0.00000	UG/L	03/23/2005
IN*A0503225-06	NITRATE (AS N)	SP	N	1040	0.00000	UG/L	12/21/2005

Lab where sample was analyzed

This section lists the last sample collected for each analyte or group listed. Do not rely solely on this section for sample information always double check against sample results section.

Sample type	Comp= Was it collected for Compliance?
RT = Routine	Y=Yes, Collected for Compliance
SP = Special	N = No, Not collected for compliance

\*Normally routine (RT) samples are collected for compliance (comp = y) and special (SP) samples are not for compliance (comp=n).



**Violation Page - (Example below)** The most frequently asked questions come from the violations section particularly regarding the violation type codes. A table defining the type codes for the most common violations is shown below.

**Public Water System Summary For  
EXAMPLE WATER SYSTEM**

**Violation Information**

FY	Violation Number	Facility	Violation Type	Category	Status	Severity	Analyte	Analysis Measure	Compliance Begin	Compliance End
2006	68114	None	22	MCL	V		COLIFORM,TOTAL	0.0000	10/01/2005	10/31/2005
2006	68118	TP001	36	MON	V	MN	CHLORINE	0.0000	10/01/2005	10/31/2005
2005	68099	TP001	41	TT	V		CHLORINE	0.0000	05/01/2005	05/31/2005
2005	68091	TP001	36	MON	V	MN	TURBIDITY	0.0000	01/01/2005	01/31/2005
2004	67979	None	71	RPT	V	MJ	CONSUMER	0.0000	07/01/2003	06/30/2004
2004	68042	TP001	03	MON	V	MJ	ARSENIC	0.0000	01/01/2003	12/31/2003
2004	68036	TP001	03	MON	V	MJ	BARIIUM	0.0000	01/01/2003	12/31/2003
2004	68037		03	MON	V	MJ	CADMIUM	0.0000	01/01/2003	12/31/2003

AK2XXXXXX

**Violation Category**

MCL= Maximum contaminant level violation  
 MON= Monitoring violation  
 TT= Treatment technique violation  
 RPT= Reporting violation

Compliance period when violation occurred.

Page 3 of 3

**Things to keep in mind when reviewing the violation information section of the data dump**

- **Lists all valid violations.**  
*Meaning the violation has been verified by Environmental Program Specialist staff and validated. Violations that have been found to be created in error have been rejected and are not listed here.*
- **Includes “open” and “closed” violations.**  
**Open or Unresolved Violations** = A violation that has not been resolved by the Public Water System (PWS) through taking appropriate actions to return to compliance (i.e. taking sample, turning in report, and so on). For example if a PWS received a violation for not collecting their routine yearly nitrate sample in 2004, and in 2006 still has not collected a nitrate sample the violation is still open.  
**Closed or Resolved Violation** = A violation that has returned to compliance by the PWS taking the appropriate action. For example if the system was issued a violation for not collecting their routine yearly nitrate sample in 2004, but collected it in January 2005, the violation would be returned to compliance and considered resolved or closed.

Unfortunately there is no easy way to distinguish which violations are open or closed by looking at the violations list. One method of determining which violations have been returned to compliance (RTC) is by using the Drinking Water Program's online water system information database the “Drinking Water Watch” through our website; (<http://www.dec.state.ak.us/eh/dw/index.htm>). For each water system there is a Violations/Enforcement Actions link that allows you to look at individual violations and the enforcement actions associated with it. An RTC indicates that a particular violation has been resolved, and therefore is closed. If you need assistance please contact the Environmental Program Specialist for the area, they are the best resource in determining the compliance of the PWS.

**Most COMMON federal violations listed in data dumps \***

VIOLATION TYPE CODE	VIOLATION DESCRIPTION
<b>RULES: Chemical Phase II/V, Radionuclides</b> (Arsenic, IOCs, Nitrate, RADs, SOCs, VOCs)	
01	MCL, Single Sample
02	MCL, Average
03	Monitoring, Regular
<b>RULE: Surface Water Treatment Rule (SWTR)</b>	
36	Monitoring, Routine/Repeat (SWTR-Filter)
41	Treatment Technique (SWTR)
42	Failure to Filter (SWTR)
<b>RULES: Interim and Long Term 1 Enhanced Surface Water Treatment Rule (IESWTR/LT1ESWTR)</b>	
29	M&R Filter Profile/CPE Failure
38	M&R Filter Turbidity Reporting
43	Treatment Technique Exceeds Turb 1 NTU
44	Treatment Technique Exceeds Turb 0.3 NTU
<b>RULE: Consumer Confidence Report (CCR)</b>	
71	CCR Complete Failure to Report
72	CCR Inadequate Reporting
<b>RULE: Public Notice (PN)</b>	
75	PN Violation for NPDWR Violation (NPDWR= National Primary Drinking Water Regulations)
<b>RULE: Total Coliform Rule (TCR)</b>	
21	MCL, Acute (TCR)
22	MCL, Monthly (TCR)
23	Monitoring, Routine Major (TCR)
24	Monitoring, Routine Minor (TCR)
25	Monitoring, Repeat Major (TCR)
26	Monitoring, Repeat Minor (TCR)
28	Sanitary Survey (TCR)
<b>RULE: Lead/Copper Minor Revisions</b>	
51	Initial Tap Sampling for Pb and Cu
52	Follow-up and Routine Tap Sampling
57	OCCT Study Recommendation
58	OCCT Installation/Demonstration
65	Public Education
<b>RULE: Stage 1 Disinfectants and Disinfection By-Products Rule</b>	
27	Monitoring and Reporting Stage 1
46	Treatment Technique Precursor Removal

\* This is NOT a complete list of all rules or the violations for each rule. These are the most common violations typically noted in a PWS data dump. If the data dump for your system lists a violation not noted here, please contact your Environmental Program Specialists for questions.