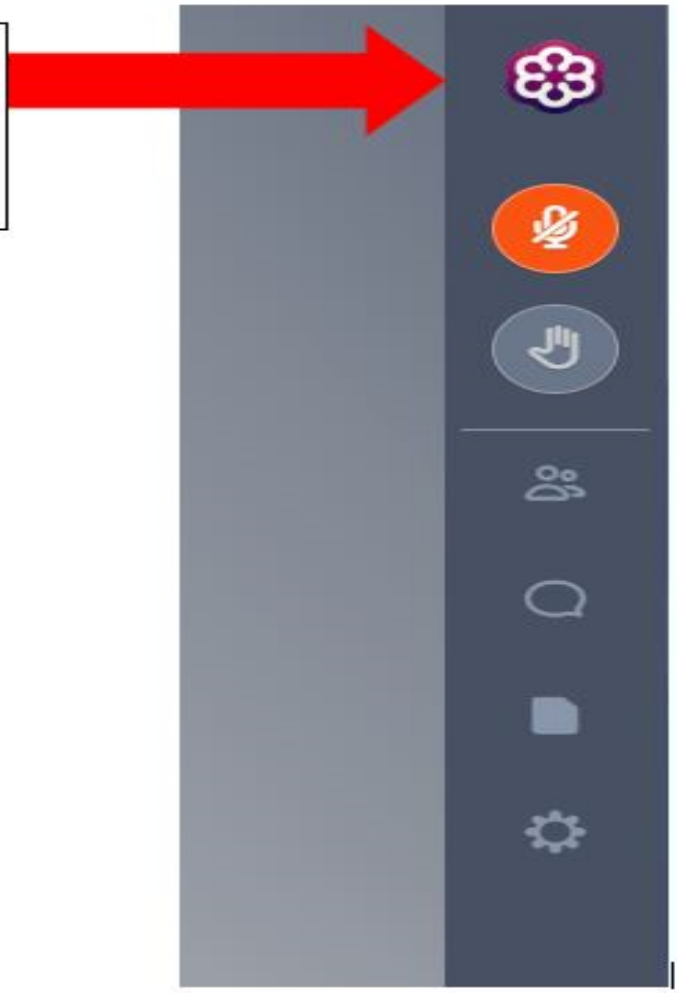
Having Audio or Tools difficulties?

Click on the Purple Flower and change your viewing format.

It may help!



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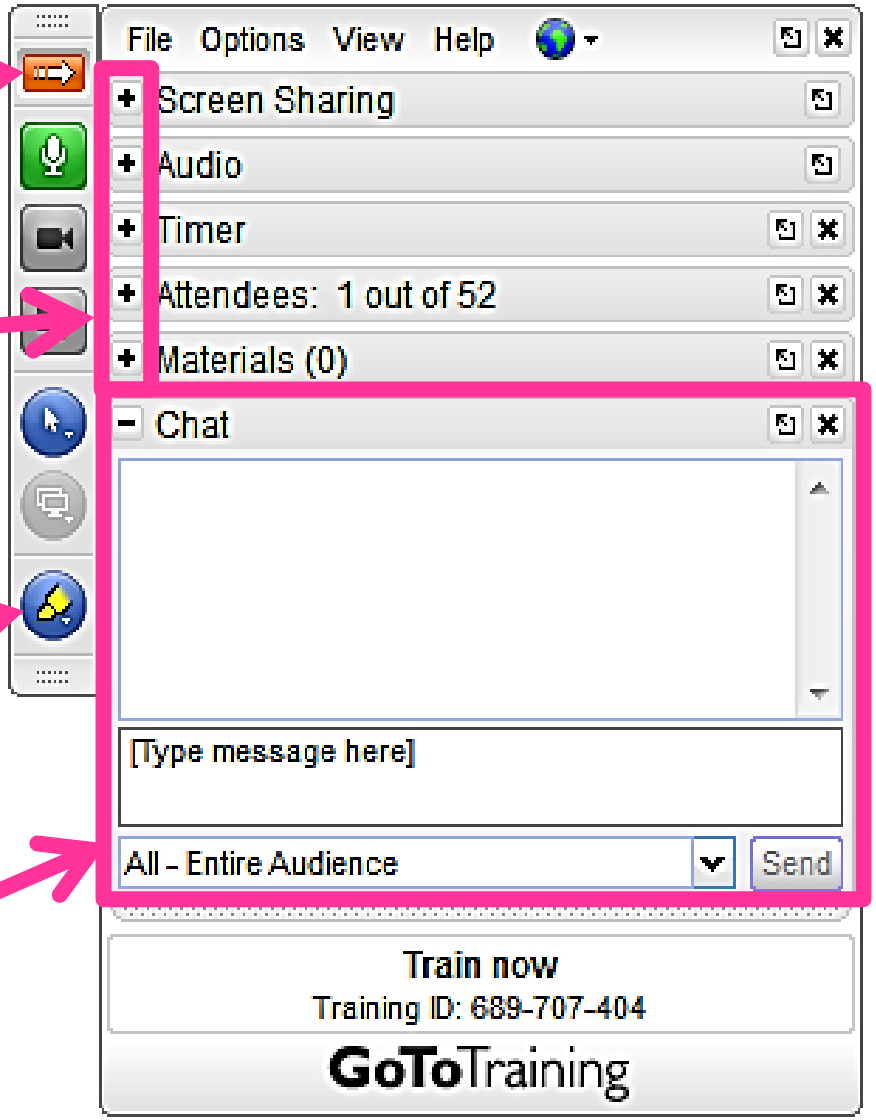
Hide/Restore Control Panel

Control Tabs
(Click "+" to open)

Marking Tool
(Will appear when needed)

Chat Box – Send to "Entire Audience"



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Audio Controls

Click here to test your audio

Attendee List

Today's Materials

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Elements of the Site Sampling Plan and Public Water System Monitoring Schedule

Tribal Response Workshop

Rural Community Assistance Partnership, Inc.

Western
Rural Community Assistance Corporation
916/447-2854
www.rcac.org

Midwest
Midwest Assistance Program
952/758-4334
www.map-inc.org

Southern
Communities Unlimited
479/443-2700
www.crg.org

Northeast
RCAP Solutions
800/488-1969
www.rcapsolutions.org

Great Lakes
WSOS Community Action Commission
800/775-9767
www.glrcap.org

Southeast
Southeast Rural Community Assistance Project
866/928-3731
www.southeastrcap.org

800/321-7227
www.rcap.org

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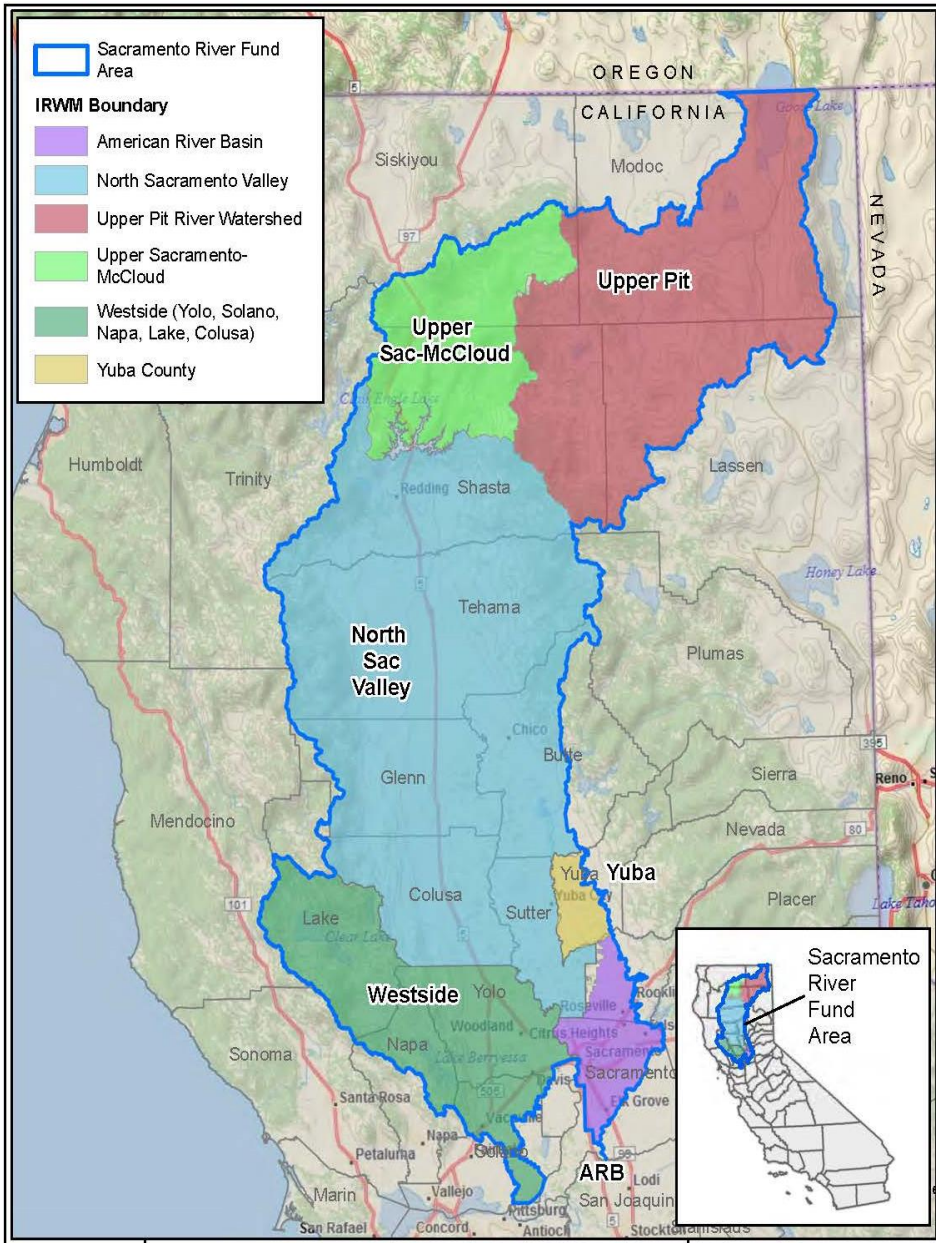
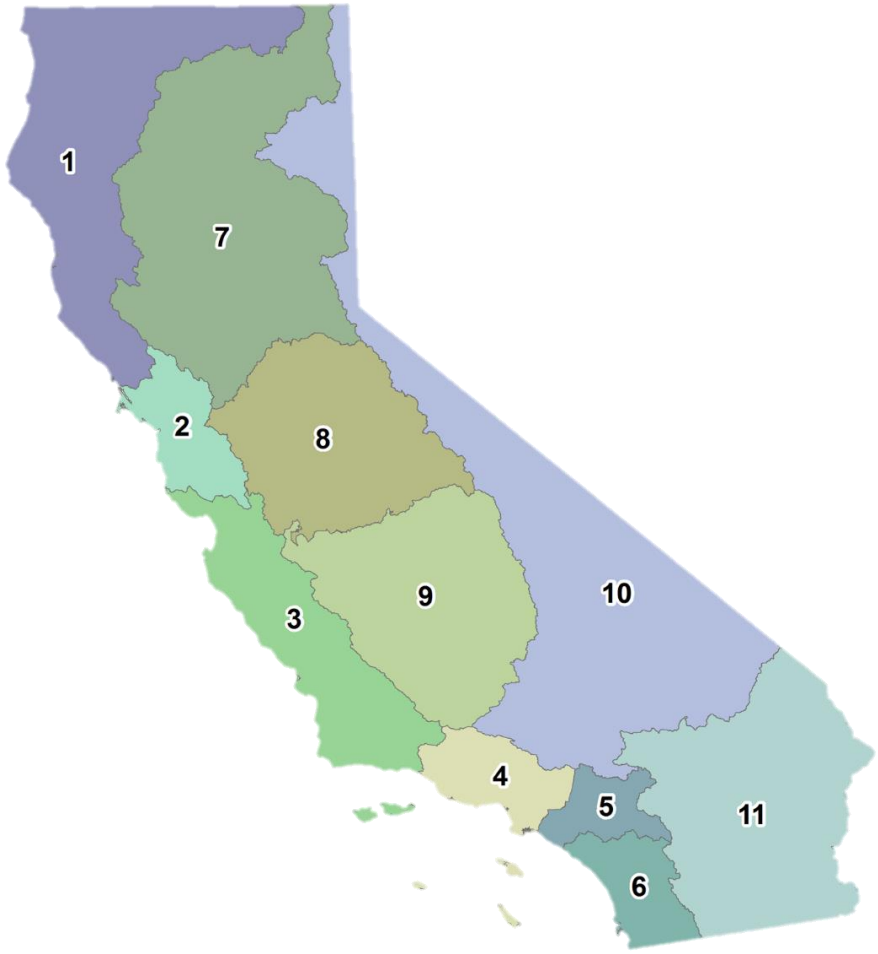
This Workshop is sponsored by the **Sacramento River Funding Area Disadvantaged Community Involvement Program**, a grant funded program supported by the California Department of Water Resources' Integrated Regional Water Management Program

For more information on the DWR DACI-Program go to:
https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Proposition-1/DAC-Involvement-Program



Prop 1 Funding Areas



1 North Coast
2 San Francisco Bay Area
3 Central Coast
4 Los Angeles Sub-Region
5 Santa Ana Sub-Region
6 San Diego Sub-Region
7 Sacramento River
8 San Joaquin River
9 Tulare/Kern
10 North/South Lahontan
11 Colorado River Basin

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Sacramento River Funding Area
Disadvantage Community Involvement Program

The goals of the SRFA-DACI-Program:

1. Engage DAC organizations, water purveyors and stakeholders in IRWM
2. Identify the water and wastewater management needs of DACs
3. Develop strategies and solutions for DAC water management needs.

This Workshop was developed to address key needs that have been identified for DAC communities and/or water providers in this region.

For questions on the SRFA DACIP Program and how to engage with your IRWM please contact:
JoAnna Lessard (joanna.Lessard@fishsciences.net) or Katie Burdick (katie@burdico.net)

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Todays Presenters

David Hossli

- Technical Assistance Provider (RCAC)
- Phone: (805) 354-3672
- Email: DHossli@rcac.org

Sarah Bixler

- Technical Assistance Provider (RCAC)
- Phone: (916) 926-1468
- Email: SBixler@rcac.org

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Rural Community Assistance Corporation (RCAC)

Rural Community Assistance Corporation

- 3120 Freeboard Dr, West Sacramento, CA 95691
- Phone: 916-447-2854
- Website: www.rcac.org

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RCAC Core Services

- Community and Environmental Service
- Housing
- Loan Fund
- Training
- Community Leadership
- Tribal Utilities

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Environmental Services

- RCAC water, wastewater and solid waste technical assistance
- Building Rural Economies (BRE), community outreach and development solutions

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Housing Services

- RCAC affordable housing assistance
- Tribal Housing Excellence Academy (THE Academy), housing and development assistance on tribal lands
- Development Solutions, real estate development that support nonprofit organizations

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Training

- RCAC technical assistance in the field
- Water
- Wastewater
- Solid Waste
- Housing
- Community
- Other Various Topics

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Classroom and online education

- RCAC expands the knowledge base of the rural public through free education and training

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Financing assistance

- RCAC housing, environmental infrastructure or community facilities, and small business financing

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Building communities

- RCAC leadership development training

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Sampling water of public water systems

Topics today:

- Why and what are we sampling for in our water
- Rules and Regulations
- Monitoring Schedule
- Sample Site Plan
- Rules and sampling tips

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Water Sampling

- What are we sampling for?
- Initially: Quarterly? Sets a baseline.
  - Chemical, mineral, alpha, turbidity/pathogens
- Annually, or as required: Supports baseline
  - Chemical, mineral, alpha, turbidity/pathogens
- Monthly (if required by primacy or GWR)
  - Coliform/E.coli
- Daily = chlorine (and?)

Water Sampling

- Coliform
- Nitrate, Nitrite
- IOC
- VOC
- SOC
- Radionuclides
- Lead and Copper

Water Sampling

- How do we sample?
- Different bottles for each sample:
  - Clear glass, amber glass, clear/dark plastic
  - Acidified ("fixes" a sample so its composition doesn't change)
  - Air or no air bubble (VOC)
  - Ice chest or dash board of work truck?

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What is a Public Water System?

- Community Water System
  - At least 15 service connections or 25 year round residents
- Non-Community Water System
  - Non-Transient – at least 25 of the same persons >6 months per year
  - Transient – at least 25 persons daily at least 60 days per year

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Primary Drinking Water Standards

- Health related – pathogen removal
- Establishes MCLs, monitoring, reporting & notification requirements
- Examples:
  - Coliform/E.coli
  - Turbidity (Nephelometric Turbidity Units, NTU)
  - Microorganisms

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Secondary Drinking Water Standards

- Aesthetics – looks, smell, taste
- Establishes SMCL, monitoring, reporting & notification requirements
- Examples:
  - Iron & manganese
  - pH & corrositivity
  - Taste, odor & color

Example of Water Quality - Nitrate & Nitrite

Primary Drinking Water Standard

Health Concern

- Blue Baby Syndrome- Methemoglobinemia

Sources

- Fertilizers
- Human and Animal Waste
- Atmospheric Deposition

Lead and Copper

- Collected at Consumers Tap
  - "First Draw"
  - Source not used >6hr - <12hr
- 90th Percentile
- Pb MCL = 15 ppb
- Cu MCL = 1300 ppb

Total Coliform Rule (TCR) now rTCR

- TCR approved by Congress, enacted in 1992
- The TCR helps protect water systems from microbial contamination
- TCR requires the water system to monitor for total coliform and E.coli bacteria
- TCR applies to all community and non-community water systems
- Total coliform = indicator organism

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Total Coliform Rule (TCR) now rTCR

Revised Total Coliform Rule

- Sets a **MCL** maximum contaminant level for ***E. coli and total coliforms***
- Initates a Find and Fix approach to address fecal contamination
- It requires public water systems PWS to perform assessments to identify sanitary defects and fix them

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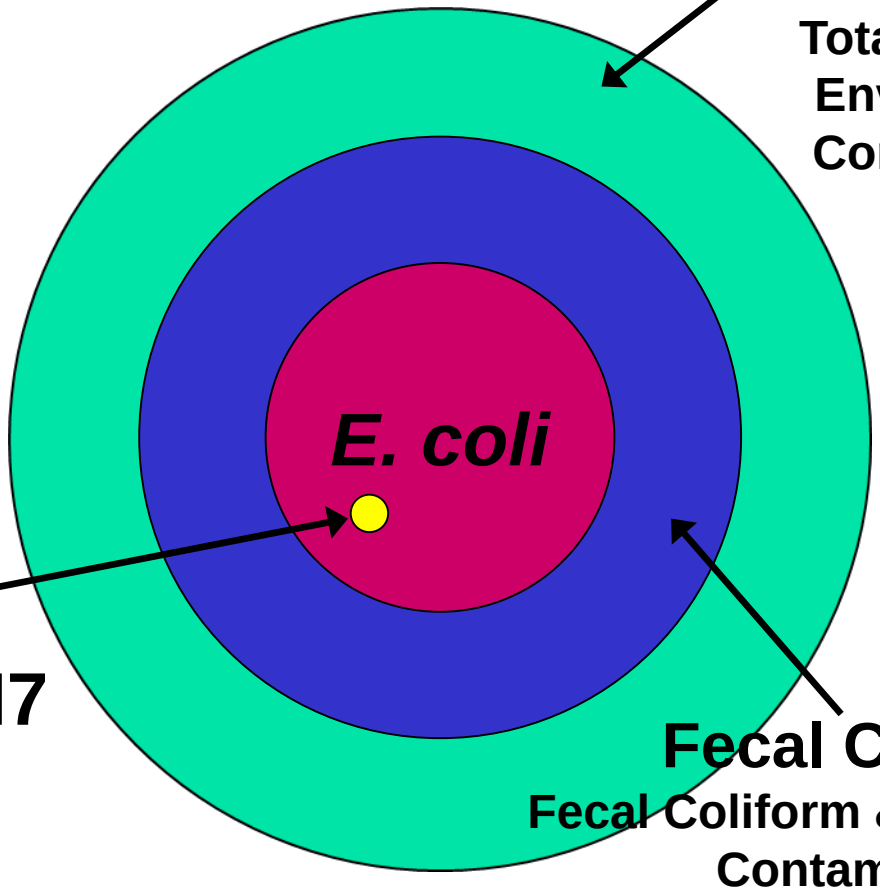
What is a Coliform?



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Stage 2 DBPR

- Became effective January 4, 2006
- Requires TTHM and HAA5 MCL compliance at each monitoring point in distribution system
  - No more averaging across distribution system
  - Identify DBP **"hot spots"**
- Initial Distribution System Evaluation
  - Will be used to determine compliance monitoring points

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What are DBP's?

- Chemical disinfectants react/combine with precursors in raw water creating carcinogens
- Trihalomethanes = chlorine + organics (TTHM)
- HAA_5 = chlorine + organics/inorganics
- Bromate = bromide + ozone
- Chlorites = precursors + chlorine dioxide

When Do I Sample?

- Determine peak historical **month**
  - Peak TTHM levels, or
  - Peak HAA5 levels, or
  - Month of warmest water temperature

Factors Affecting DBP Formation

- Precursor concentration
- Disinfectant - type and dose
- Water chemistry
- Water temperature
- Water age
- Biodegradation of HAAs

How to read and use PWS Monitoring Schedule

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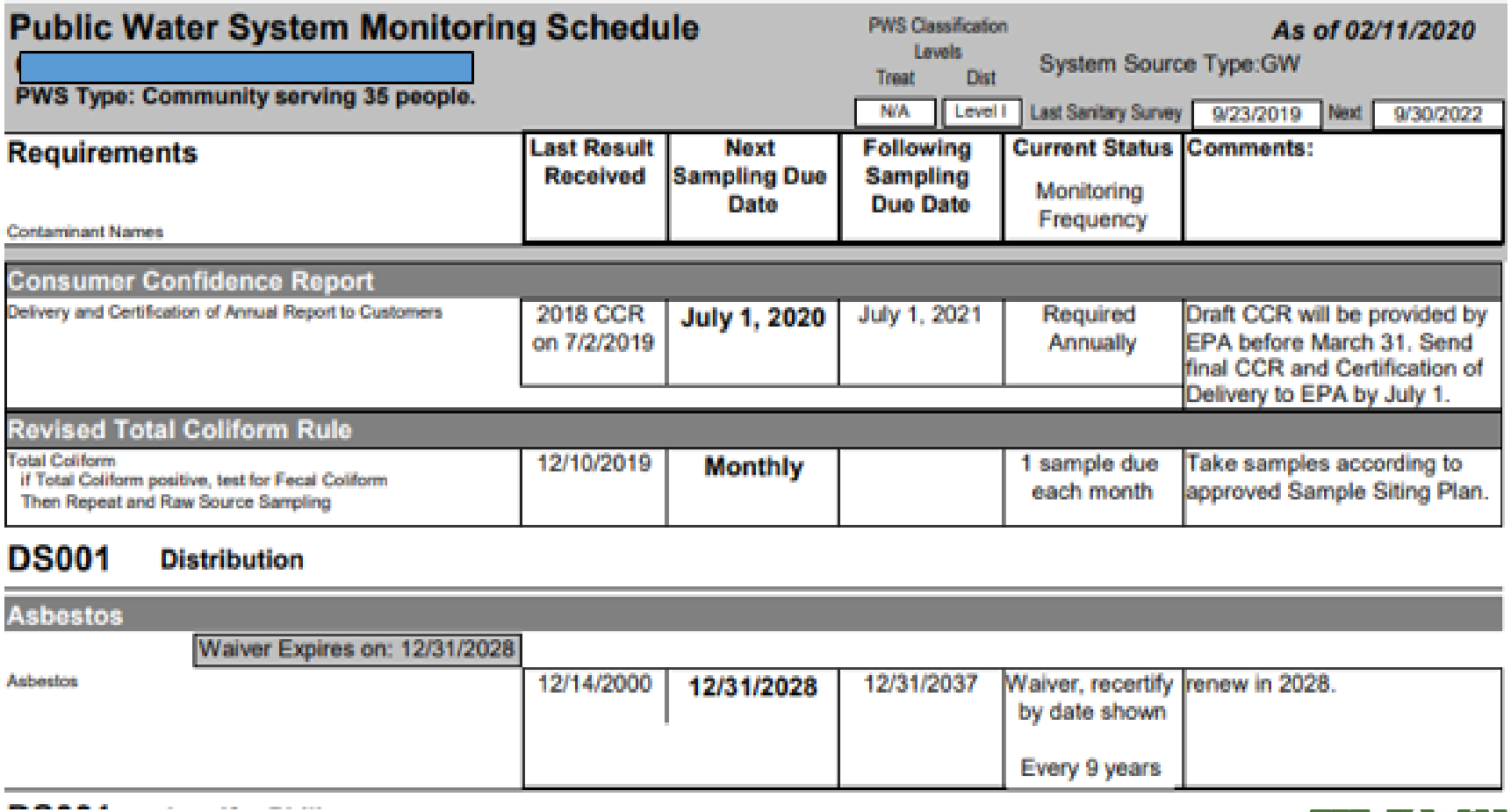
How to read and use PWS Monitoring Schedule



Public Water System Monitoring Schedule

[redacted]

PWS Type: Community serving 35 people.

PWS Classification Levels — Treat: N/A; Dist: Level I

As of 02/11/2020

System Source Type:GW

Last Sanitary Survey: 9/23/2019 Next: 9/30/2022

Requirements Contaminant Names	Last Result Received	Next Sampling Due Date	Following Sampling Due Date	Current Status Monitoring Frequency	Comments:
Consumer Confidence Report					
Delivery and Certification of Annual Report to Customers	2018 CCR on 7/2/2019	**July 1, 2020**	July 1, 2021	Required Annually	Draft CCR will be provided by EPA before March 31. Send final CCR and Certification of Delivery to EPA by July 1.
Revised Total Coliform Rule					
Total Coliform if Total Coliform positive, test for Fecal Coliform Then Repeat and Raw Source Sampling	12/10/2019	**Monthly**		1 sample due each month	Take samples according to approved Sample Siting Plan.

DS001 **Distribution**

Asbestos					
Waiver Expires on: 12/31/2028					
Asbestos	12/14/2000	**12/31/2028**	12/31/2037	Waiver, recertify by date shown Every 9 years	renew in 2028.

How to read and use PWS Monitoring Schedule

DS001

Stage 2 Disinfection By-Products	Samples required within the month of August. Samples outside this period will be invalid.				
Total Trihalomethanes (TTHMs), Five Haloacetic Acids (HAA5)	8/22/2018	**08/31/2021**	8/31/2024	Monitor Once per 3 years Every 3 years	Sample in August Only.

DS001 **PWS# 0605077 distribution system**

Lead & Copper	5 samples required between June 1 and Sept 30. Samples outside this period will be invalid.				
Lead, Copper	9/15/2017	**09/30/2020**	9/30/2023	Maximum Reduction Every 3 years	Sample at approved sample sites, follow proper sampling protocol, provide lead results to sample site residents, certify delivery to EPA..

EP001 **Entry Point for well 3**

Inorganics					
Waiver Expires on: 12/31/2024					
Barium, Thallium, Antimony, Cyanide, Cadmium, Beryllium, Chromium, Selenium, Mercury, Fluoride	12/16/2015	**12/31/2024**	12/31/2033	Waiver, sample by date (9 years) Every 9 years	
Waiver Expires on: 12/31/2024					
Arsenic	5/31/2016	**12/31/2024**	12/31/2025	Annual Monitoring Groundwater Every year	
Nitrate/Nitrite					
Nitrate [reported as Nitrogen]	12/6/2019	**12/31/2020**	12/31/2021	Reduced Monitoring Every year	Sample every year..

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How to read and use PWS Monitoring Schedule

Public Water System Monitoring Schedule

As of 02/11/2020

PWS Type: Community serving 35 people.

PWS Classification Levels: Treat N/A, Dist Level I

System Source Type:GW

Last Sanitary Survey 9/23/2019 Next 9/30/2022

Requirements Contaminant Names	Last Result Received	Next Sampling Due Date	Following Sampling Due Date	Current Status Monitoring Frequency	Comments:
Pesticides and SOCs					
Waiver Expires on: 12/31/2022					
Dioxin (2,3,7,8-TCDD)		**12/31/2022**		Waiver, recertify by date shown Every 3 years	No sampling required. Renew waiver by 12/31/2022..
Waiver Expires on: 12/31/2022					
PCBs [Polychlorinated biphenyls], Heptachlor epoxide, Heptachlor, Methoxychlor, Dalapon, Pentachlorophenol, Toxaphene, Atrazine, 2,4,5-TP (Silvex), Diquat, Benzo(a)pyrene, Simazine, Picloram, Oxamyl [Vydate], Hexachlorobenzene, Endrin, Chlordane, Endothall, Carbofuran, Dinoseb, Di (2-ethylhexyl) phthalate, Di (2-ethylhexyl) adipate, Hexachlorocyclopentadiene, Lindane, Alachlor, 2,4-D	12/28/1998	**12/31/2022**	12/31/2025	Waiver, recertify by date shown Every 3 years	No sampling required. Renew waiver by 12/31/2022..
Waiver Expires on: 12/31/2022					
Glyphosate	2/25/2005	**12/31/2022**	12/31/2025	Waiver, recertify by date shown Every 3 years	No sampling required. Renew waiver by 12/31/2022..
Waiver Expires on: 12/31/2022					
Dibromochloropropane (DBCP), Ethylene Dibromide	4/28/1994	**12/31/2022**	12/31/2025	Waiver, recertify by date shown Every 3 years	No sampling required. Renew waiver by 12/31/2022..

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How to read and use PWS Monitoring Schedule

Radionuclides					
Adjusted Alpha (Excl. Radon & U), Uranium (combined)	12/16/2015	**12/31/2021**	12/31/2027	results < 1/2MCL Every 6 years	
Combined Radium 226/228	6/27/2011	**12/31/2021**	12/31/2027	results < 1/2MCL	
Sodium					
Sodium	8/22/2018	**12/31/2021**	12/31/2024	Groundwater Every 3 years	
VOCs					
Waiver Expires on: 12/31/2022					
Toluene, Carbon Tetrachloride, Benzene, Trichloroethylene, p-Dichlorobenzene, Chlorobenzene, 1,1,2-Trichloroethane, 1,2,4-Trichlorobenzene, Dichloromethane, Styrene, trans-1,2-Dichloroethylene, 1,1-Dichloroethylene, Tetrachloroethylene, 1,2-Dichloroethane, o-Dichlorobenzene, Ethylbenzene, 1,2-Dichloropropane, cis-1,2-Dichloroethylene, Vinyl Chloride, 1,1,1-Trichloroethane, Xylenes	4/13/2017	**12/31/2022**	12/31/2028	Waiver, GW, sample/recertify by date shown Every 6 years	Submit results for VOCs and recertify waiver by date shown..

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Sample Site Plan

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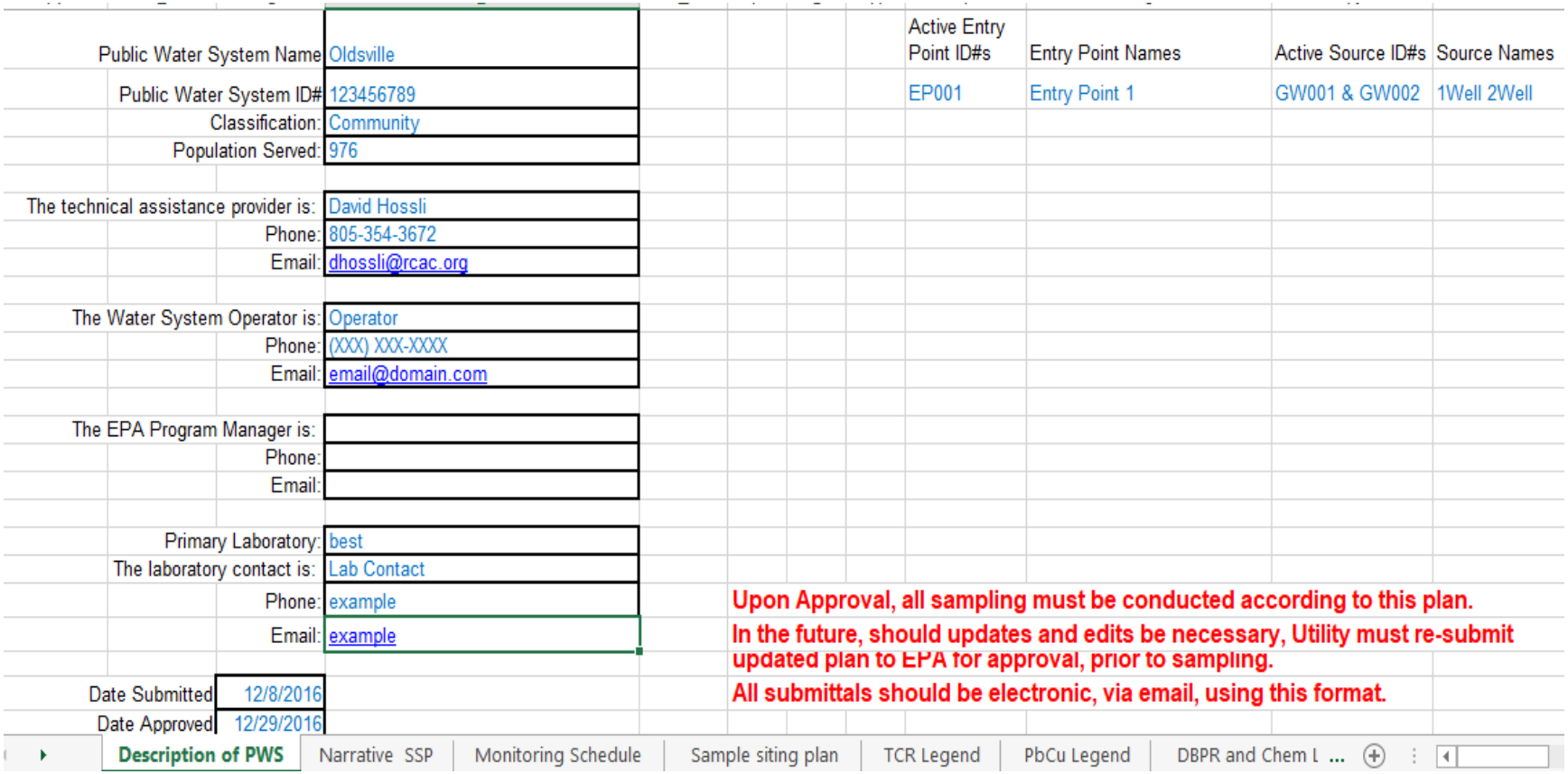
Example of a Sample Site Plan



Public Water System Name	Oldsville
Public Water System ID#	123456789
Classification:	Community
Population Served:	976
The technical assistance provider is:	David Hossli
Phone:	805-354-3672
Email:	dhossli@rcac.org
The Water System Operator is:	Operator
Phone:	(XXX) XXX-XXXX
Email:	email@domain.com
The EPA Program Manager is:	
Phone:	
Email:	
Primary Laboratory:	best
The laboratory contact is:	Lab Contact
Phone:	example
Email:	example
Date Submitted	12/8/2016
Date Approved	12/29/2016

Active Entry Point ID#s	Entry Point Names	Active Source ID#s	Source Names
EP001	Entry Point 1	GW001 & GW002	1Well 2Well

Upon Approval, all sampling must be conducted according to this plan.

In the future, should updates and edits be necessary, Utility must re-submit updated plan to EPA for approval, prior to sampling.

All submittals should be electronic, via email, using this format.

Description of PWS | Narrative SSP | Monitoring Schedule | Sample siting plan | TCR Legend | PbCu Legend | DBPR and Chem L ...

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Example of a Sample Site Plan

l Coliform Rule (RTCR), Ground Water Rule (GWR), Lead and Copper Rule (LCR), and Disinfection By-products Rule (DBPR) Distribution System Testing

Oldsville
PWS ID: 123456789

The Oldsville Water System is a small community water system presently serving commercial buildings and ( )residences. Water is supplied by two wells, Water system PWS# 123456789

Oldsville water system operates as a community water system. Disinfection (CL2)Treatment occurs the point of entry to the water distribution system –PWS #123456789

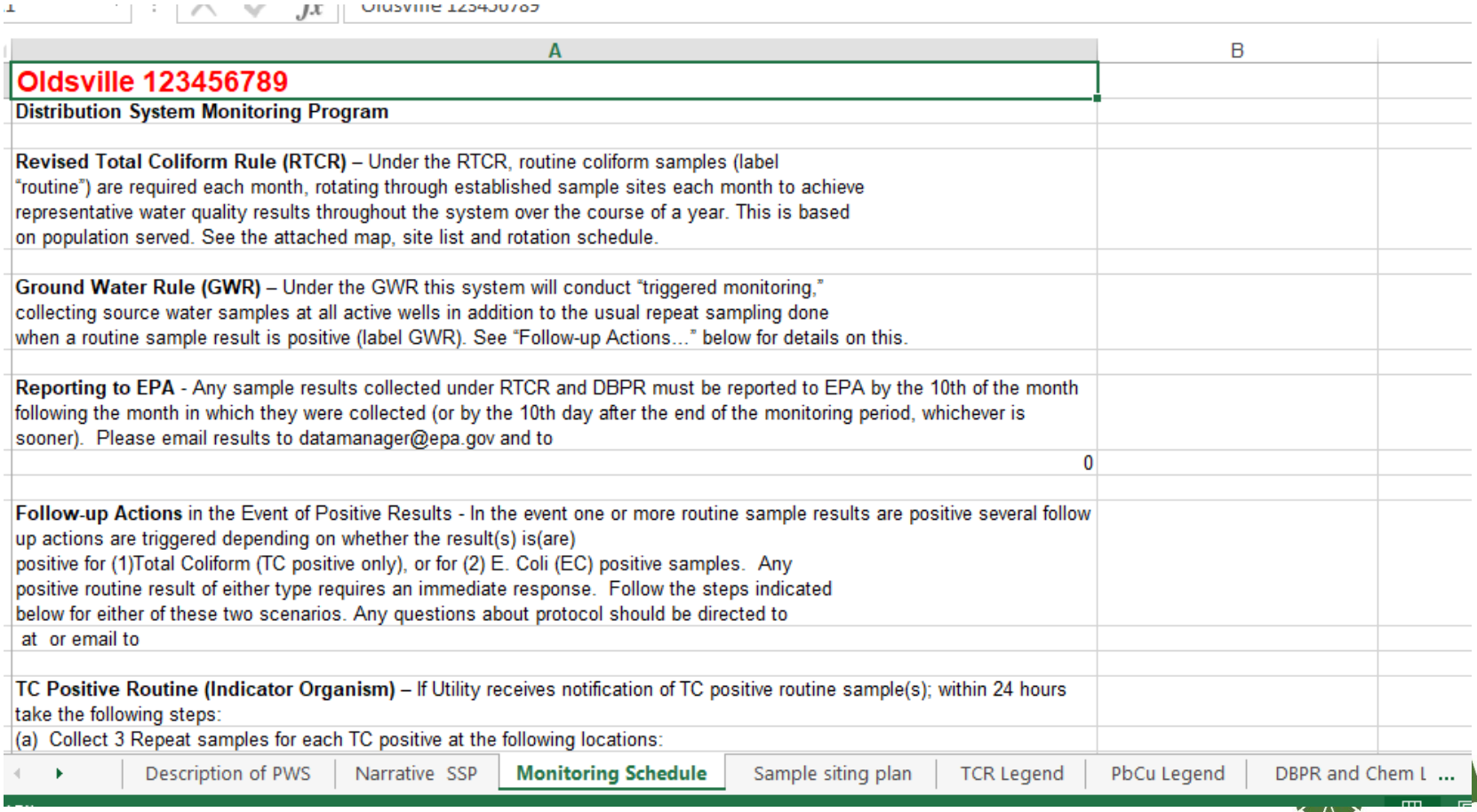
This plan is based on five (5) routine sampling sites in the distribution system (S1 through S12), as shown on the sampling diagram and in the list of sampling sites. The routine sites have been chosen on laterals near the dead ends of the service mains where there is also access to repeat samples at points within five taps on either side in case of a coliform-positive result. The repeat sites for each routine site are also shown on the diagram, as well as the list of sampling sites.

Sampling Program

The Safe Drinking Water Act, more specifically, The Revised Total Coliform Rule only requires that this system collect one coliform sample per month. The system has determined that collection of two routine coliform samples is in the best interest of providing safe water to tribal members .The required monthly routine samples will be taken at different routine sites each month as shown on the attached sampling site rotation schedule. These routine samples will be collected early in the week to allow time to collect repeat samples should a positive result occur. Sampling will also be planned for early (first or second week) in the month. These samples will be labeled *ROUTINE* on the sample bottles and chain-of-custody form, and transported to lab the same day, on ice, in a cooler. Sample results will be reported to

Description of PWS | Narrative SSP | Monitoring Schedule | Sample siting plan | TCR Legend | PbCu Legend | DBPR and Chem L ...

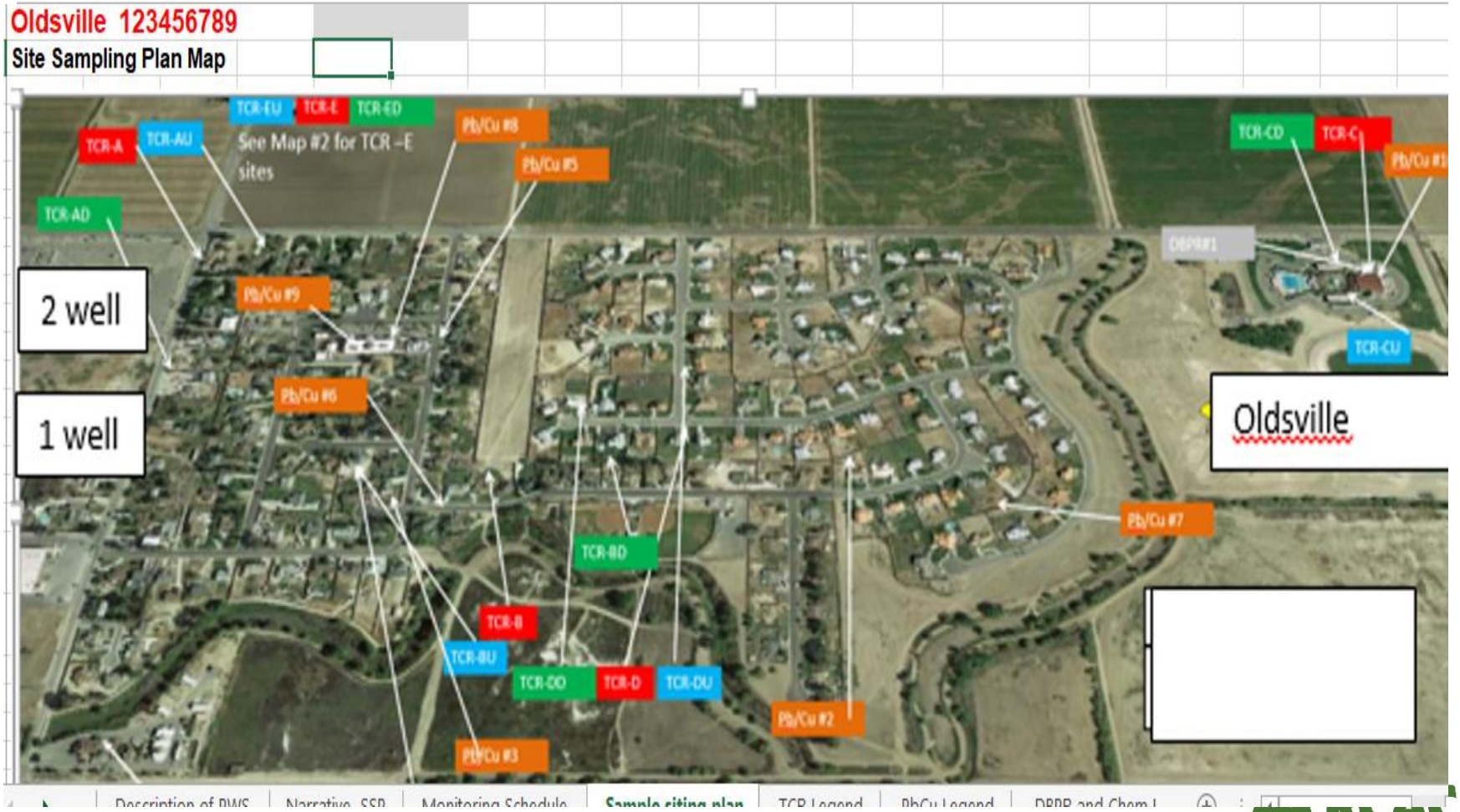
Example of a Sample Site Plan



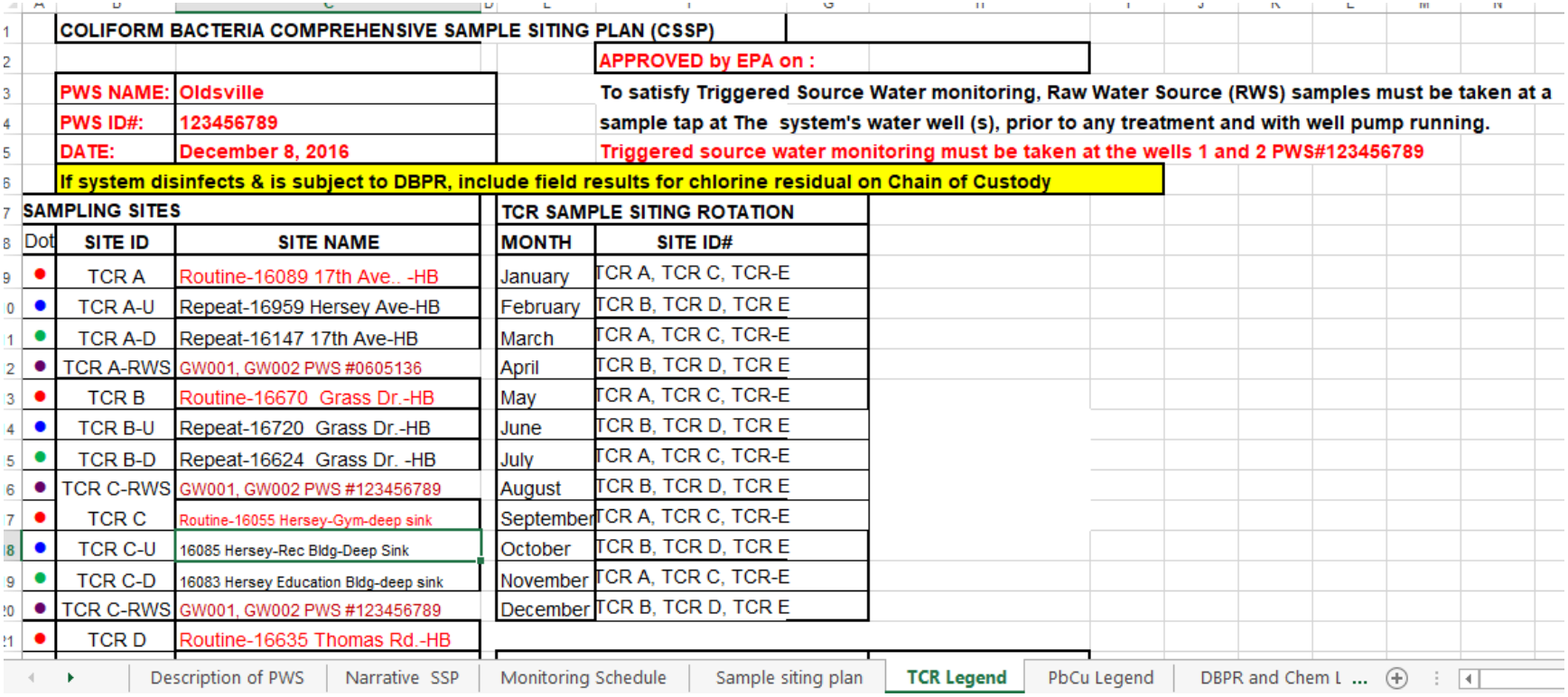
	A	B
	Oldsville 123456789	
	Distribution System Monitoring Program	
	Revised Total Coliform Rule (RTCR) – Under the RTCR, routine coliform samples (label "routine") are required each month, rotating through established sample sites each month to achieve representative water quality results throughout the system over the course of a year. This is based on population served. See the attached map, site list and rotation schedule.	
	Ground Water Rule (GWR) – Under the GWR this system will conduct "triggered monitoring," collecting source water samples at all active wells in addition to the usual repeat sampling done when a routine sample result is positive (label GWR). See "Follow-up Actions…" below for details on this.	
	Reporting to EPA - Any sample results collected under RTCR and DBPR must be reported to EPA by the 10th of the month following the month in which they were collected (or by the 10th day after the end of the monitoring period, whichever is sooner). Please email results to datamanager@epa.gov and to	
	0	
	Follow-up Actions in the Event of Positive Results - In the event one or more routine sample results are positive several follow up actions are triggered depending on whether the result(s) is(are) positive for (1)Total Coliform (TC positive only), or for (2) E. Coli (EC) positive samples. Any positive routine result of either type requires an immediate response. Follow the steps indicated below for either of these two scenarios. Any questions about protocol should be directed to	
	at or email to	
	TC Positive Routine (Indicator Organism) – If Utility receives notification of TC positive routine sample(s); within 24 hours take the following steps:	
	(a) Collect 3 Repeat samples for each TC positive at the following locations:	

Description of PWS | Narrative SSP | **Monitoring Schedule** | Sample siting plan | TCR Legend | PbCu Legend | DBPR and Chem L …

Example of a Sample Site Plan



Example of a Sample Site Plan



COLIFORM BACTERIA COMPREHENSIVE SAMPLE SITING PLAN (CSSP)

APPROVED by EPA on :

PWS NAME:	Oldsville
PWS ID#:	123456789
DATE:	December 8, 2016

To satisfy Triggered Source Water monitoring, Raw Water Source (RWS) samples must be taken at a sample tap at The system's water well (s), prior to any treatment and with well pump running.

Triggered source water monitoring must be taken at the wells 1 and 2 PWS#123456789

If system disinfects & is subject to DBPR, include field results for chlorine residual on Chain of Custody

SAMPLING SITES

Dot	SITE ID	SITE NAME
●	TCR A	Routine-16089 17th Ave.. -HB
●	TCR A-U	Repeat-16959 Hersey Ave-HB
●	TCR A-D	Repeat-16147 17th Ave-HB
●	TCR A-RWS	GW001, GW002 PWS #0605136
●	TCR B	Routine-16670 Grass Dr.-HB
●	TCR B-U	Repeat-16720 Grass Dr.-HB
●	TCR B-D	Repeat-16624 Grass Dr. -HB
●	TCR C-RWS	GW001, GW002 PWS #123456789
●	TCR C	Routine-16055 Hersey-Gym-deep sink
●	TCR C-U	16085 Hersey-Rec Bldg-Deep Sink
●	TCR C-D	16083 Hersey Education Bldg-deep sink
●	TCR C-RWS	GW001, GW002 PWS #123456789
●	TCR D	Routine-16635 Thomas Rd.-HB

TCR SAMPLE SITING ROTATION

MONTH	SITE ID#
January	TCR A, TCR C, TCR-E
February	TCR B, TCR D, TCR E
March	TCR A, TCR C, TCR-E
April	TCR B, TCR D, TCR E
May	TCR A, TCR C, TCR-E
June	TCR B, TCR D, TCR E
July	TCR A, TCR C, TCR-E
August	TCR B, TCR D, TCR E
September	TCR A, TCR C, TCR-E
October	TCR B, TCR D, TCR E
November	TCR A, TCR C, TCR-E
December	TCR B, TCR D, TCR E

Description of PWS | Narrative SSP | Monitoring Schedule | Sample siting plan | TCR Legend | PbCu Legend | DBPR and Chem L ...

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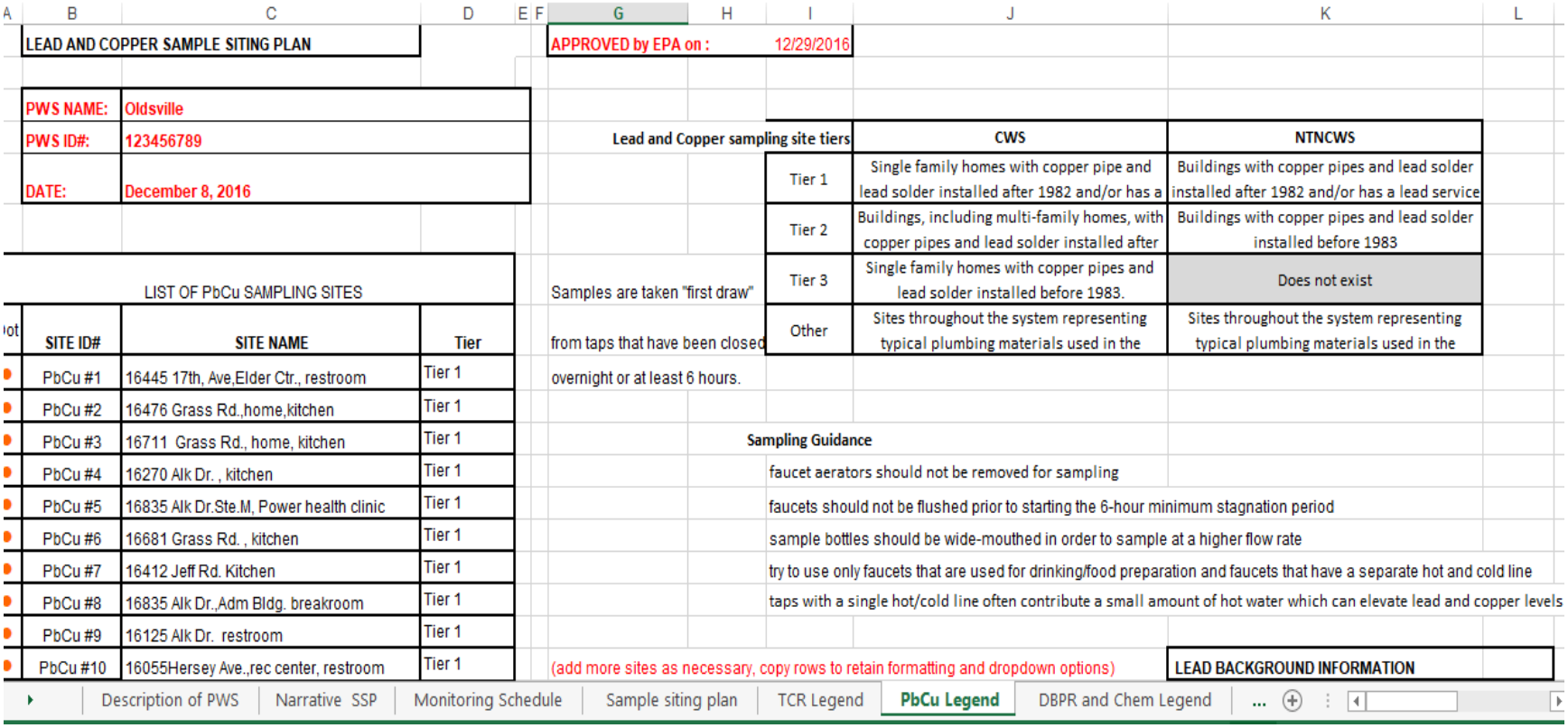
Example of a Sample Site Plan



LEAD AND COPPER SAMPLE SITING PLAN

APPROVED by EPA on : 12/29/2016

PWS NAME:	Oldsville
PWS ID#:	123456789
DATE:	December 8, 2016

LIST OF PbCu SAMPLING SITES

SITE ID#	SITE NAME	Tier
PbCu #1	16445 17th, Ave,Elder Ctr., restroom	Tier 1
PbCu #2	16476 Grass Rd.,home,kitchen	Tier 1
PbCu #3	16711 Grass Rd., home, kitchen	Tier 1
PbCu #4	16270 Alk Dr. , kitchen	Tier 1
PbCu #5	16835 Alk Dr.Ste.M, Power health clinic	Tier 1
PbCu #6	16681 Grass Rd. , kitchen	Tier 1
PbCu #7	16412 Jeff Rd. Kitchen	Tier 1
PbCu #8	16835 Alk Dr.,Adm Bldg. breakroom	Tier 1
PbCu #9	16125 Alk Dr. restroom	Tier 1
PbCu #10	16055Hersey Ave.,rec center, restroom	Tier 1

Samples are taken "first draw" from taps that have been closed overnight or at least 6 hours.

(add more sites as necessary, copy rows to retain formatting and dropdown options)

Lead and Copper sampling site tiers	CWS	NTNCWS
Tier 1	Single family homes with copper pipe and lead solder installed after 1982 and/or has a	Buildings with copper pipes and lead solder installed after 1982 and/or has a lead service
Tier 2	Buildings, including multi-family homes, with copper pipes and lead solder installed after	Buildings with copper pipes and lead solder installed before 1983
Tier 3	Single family homes with copper pipes and lead solder installed before 1983.	Does not exist
Other	Sites throughout the system representing typical plumbing materials used in the	Sites throughout the system representing typical plumbing materials used in the

Sampling Guidance

- faucet aerators should not be removed for sampling
- faucets should not be flushed prior to starting the 6-hour minimum stagnation period
- sample bottles should be wide-mouthed in order to sample at a higher flow rate
- try to use only faucets that are used for drinking/food preparation and faucets that have a separate hot and cold line
- taps with a single hot/cold line often contribute a small amount of hot water which can elevate lead and copper levels

LEAD BACKGROUND INFORMATION

Description of PWS | Narrative SSP | Monitoring Schedule | Sample siting plan | TCR Legend | PbCu Legend | DBPR and Chem Legend

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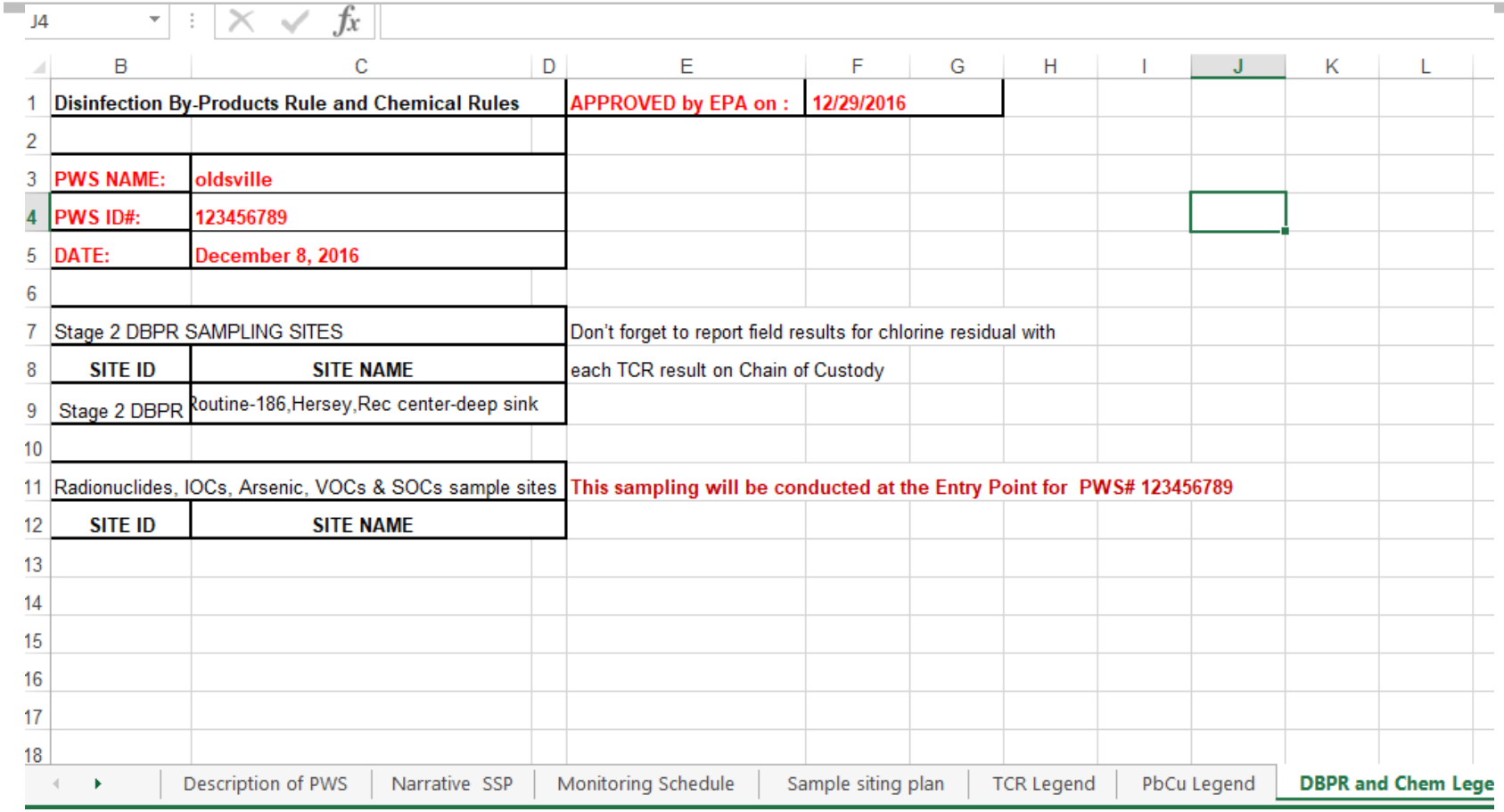
Example of a Sample Site Plan



	B	C	D	E	F	G	H	I	J	K	L
1	**Disinfection By-Products Rule and Chemical Rules**			APPROVED by EPA on :	12/29/2016						
2											
3	PWS NAME:	oldsville									
4	PWS ID#:	123456789									
5	DATE:	December 8, 2016									
6											
7	Stage 2 DBPR SAMPLING SITES			Don't forget to report field results for chlorine residual with							
8	**SITE ID**	**SITE NAME**		each TCR result on Chain of Custody							
9	Stage 2 DBPR	Routine-186,Hersey,Rec center-deep sink									
10											
11	Radionuclides, IOCs, Arsenic, VOCs & SOCs sample sites			This sampling will be conducted at the Entry Point for PWS# 123456789							
12	**SITE ID**	**SITE NAME**									
13											
14											
15											
16											
17											
18											

Description of PWS | Narrative SSP | Monitoring Schedule | Sample siting plan | TCR Legend | PbCu Legend | DBPR and Chem Lege

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Rules and sampling tips

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When the results are in…

- If the results are negative;
  - It is your responsibility to send a copy to primacy agency. Don't depend on the lab
  - It is your responsibility to place the results in safe storage for 5 years

- If the results are positive…
- Repeat samples and public notification

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What is Public Notification?

- General Public Notification Requirements
  - Who must give public notice?
  - Type of notice required for each situation?
  - Who must be notified?
- Requirements for Tier 1, 2, and 3 Public Notices
- Content Requirements for Public Notices
  - 10 required elements, Standard language

Public Notification Rule

- Delivery requirements for public notices
  - A minimum delivery method plus other steps "reasonably calculated" to reach persons served (all consumers of the system)
  - Examples of delivery methods:
    - Appropriate broadcast media
    - Posting of notice
    - Mail or hand delivery
- The rule also includes new, more specific, multilingual notice requirements

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Public Notification Rule

- Each public notice must address ten elements:
  - 1) Description of the violation or situation
  - 2) When the violation or situation occurred
  - 3) Potential health effects
  - 4) The population at risk
  - 5) Whether alternate water supplies should be used
  - 6) Actions consumers should take
  - 7) What is being done to correct the violation/situation
  - 8) When the system expects to return to compliance
  - 9) Name, number, and business add. for more info
  - 10) Standard distribution language

Public Notification Rule

- Consultation with EPA
  - Required for all Tier 1 violations
- Certification requirement
  - PWS certifies all PNR requirements were met
  - Certification must be sent to EPA within 10 days of providing public notice to consumers
- Recordkeeping requirement
  - PWS and EPA must keep copies of notice and certifications on file for three years

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Boil water notice or don't use/drink the water notice

- Why do we issue them
- When do we remove them
- Who can remove them
- Examples

Required Information on Bacteriologic Sampling Form

- Type of sample
  - routine
  - repeat (give date of original positive and location of all four repeat samples)
  - special
- Chlorine residual, if system is disinfected
- Name of the sampler

Tips for Selecting Sample Sites

- Accessible
- Above "big dog" height
- Consider dedicated sample taps
- No leaking valves or packing
- No threaded hose bibs (when possible)
- Good flow control
- No bushes or vegetation
- Can be flushed vigorously

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Other Sampling Tips

- Check for chlorine residual
- Avoid swivel faucets
- Cold water ONLY
- Do not adjust flow during sampling
- Remove aerator if applicable
- Be very careful!
- Clean up your work place

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Wrap it up…

- Replace cap securely on sample bottle
- Place in sealed plastic bag (optional)
- Place in ice chest
  - Ice should be in bag, or
  - Ice packs
- Ship to lab as needed, or
- Drive to lab
- Within 30 hours!

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QUESTIONS??

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