# Chemical Dosing On-site Training

Surface Water Purchaser	
Yes No	
that are utilized to treat water	
Type of Chemical	
Maximum allowable dosage	
stering, taste and odor)	
Specific gravity of Chemical	
lume)	
Deionized water Other	
Exposure to UV light Yes No	0
Exposure to UV light Yes No	0
	Yes No that are utilized to treat water Type of Chemical Maximum allowable dosage stering, taste and odor) Specific gravity of Chemical

# Chemical received as a dry (solid)

Chemical fed?	Dry	Liquid
Is chemical batch	ing utilized?	
Concentration of	batch tank	mg/mL
How is batch mad	le (mixing instr	uctions)?

Pump Information:							
Peristaltic	Displacement	:	Other(describe)				
Make			Model				
Maximum pump out	tput	GDP	mL/min				
Maximum pump output pressure PSI			System pressure at injection point	PSI			

What triggers operatio	n of the chemical pu	mp?			
How is dosing achieved	d? Continuous se	et feed Flow F	Paced	Other	
How is dosing verified	SCADA	Manu	ıally	Other	
Carrier Water Utilized	?	Carrier water flow	w rate GPM		
Pump status verified by	y SCADA Yes	No Chemical	pump SCADA alarn	n configured Yes	No
Maintenance tasks and	frequency outlined i	in O&M manual: Yes	No		
Spare parts on-site: Y	es No				
Chemical compatible c	omponents? Yes	No			
Comments:					
Chemical #2					
Proprietary Name of C	Chemical		Type of Chemic	cal	
NSF approved Yes	No		Maximum allow	vable dosage	
Actual Chemical Name	е:				
		agulation, corrosion control, seq	uestering, taste and odor)		
Material Safety Data Sl	neet (MSDS, SDS) on	a-site? Yes No			
Chemical received	as solution				
Chemical concentration	on when purchased		Specific gravit	ty of Chemical	
Is Chemical batched?					
Concentration of batc	h tank liquid dilutior	n mg/mL			
Dilution of batch tank	% or rati	o of chemical to water (w	volume)		
Chemical diluted with	: Untreated water	Finished water	Deionized wate	er Other	r
Chemical storage roor	n temperature	°F	Exposu	are to UV light Yes	s No
Chemical storage adec	juate Yes No				
Comments:					
Chemical received	as a dry (solid)				
Chemical fed? Dry	Liquid				
Is chemical batching ut	ilized?				
Concentration of batch	tank mg/r	mL			
How is batch made (mi	xing instructions)?				
<b>Pump Information</b>	:				
-	acement	Other(describe)			
Make		Model			

Maximum pump output	GDP	mL/min	
Maximum pump output pressure	PSI	System pressure at injection point	PSI

What triggers operation	on of the chemi	ical pump?				
How is dosing achieve	ed? Contin	uous set feed	Flow Pace	ed C	Other	
How is dosing verified	l? SCAD	A	Manually	C C	Other	
Carrier Water Utilized	1?		Carrier water flow rat	te GPM		
Pump status verified b	oy SCADA Ye	es No	Chemical pun	np SCADA alarm conf	figured Yes	No
Maintenance tasks an	d frequency ou	tlined in O&	M manual: Yes N	lo		
Spare parts on-site: Y	les No					
Chemical compatible	components?	Yes No				
Comments:						
Chemical #3						
Proprietary Name of	Chemical			Type of Chemical		
NSF approved Yes	No			Maximum allowabl	e dosage	
Actual Chemical Nam	ne:					
Chemical objective: (ie	e disinfection, oxid	lation/coagulation	n, corrosion control, sequester	ing, taste and odor)		
Material Safety Data S	Sheet (MSDS, S	DS) on-site?	Yes No			
Chemical received	d as solution					
Chemical concentrati	ion when purch	nased		Specific gravity of C	Chemical	
Is Chemical batched?	-					
Concentration of bate	ch tank liquid c	lilution	mg/mL			
Dilution of batch tanl	k %	6 or ratio of c	hemical to water (volu	ime)		
Chemical diluted with	h: Untreated wa	ater	Finished water	Deionized water	Other	
Chemical storage roo	m temperature	°F		Exposure to U	JV light Yes	No
Chemical storage ade	quate Yes	No				
Comments:						
Chemical received	as a dry (sol	id)				
Chemical fed? Dry	• •	juid				
Is chemical batching u		luid				
Concentration of batcl		mg/mL				
How is batch made (m		U				
110w 13 Daten made (m	inxing motificer	51137.				
Pump Information:						
Peristaltic	Displacement		er(describe)			
Make		Model	<b>-</b> / .			
Maximum pump outp	out	GDP	mL/min			
Maximum pump outp	out pressure	PSI	System pressure at	injection point	PSI	

What triggers operation of the chemical	pump?			
How is dosing achieved? Continuou	is set feed	Flow Paced	Other	
How is dosing verified? SCADA		Manually	Other	
Carrier Water Utilized?	Car	rier water flow rate	GPM	
Pump status verified by SCADA Yes	No	Chemical pump	SCADA alarm configured	d Yes No
Maintenance tasks and frequency outlin	ed in O&M ma	anual: Yes No		
Spare parts on-site: Yes No				
Chemical compatible components? Ye	es No			
Comments:				
Chemical #4				
Proprietary Name of Chemical			Type of Chemical	
NSF approved Yes No			Maximum allowable dosa	age
Actual Chemical Name:				
Chemical objective: (ie disinfection, oxidatio	n/coagulation, corre	osion control, sequestering	g, taste and odor)	
Material Safety Data Sheet (MSDS, SDS	) on-site? Yes	No		
Chemical received as solution				
Chemical concentration when purchase	ed		Specific gravity of Chemie	cal
Is Chemical batched?				
Concentration of batch tank liquid dilu	tion	mg/mL		
Dilution of batch tank % or	ratio of chemi	cal to water (volume	e)	
Chemical diluted with: Untreated water	r Finis	shed water D	Deionized water	Other
Chemical storage room temperature	°F		Exposure to UV ligh	t Yes No
Chemical storage adequate Yes No	С			
Comments:				
Chemical received as a dry (solid	)			
Chemical fed? Dry Liqui				
Is chemical batching utilized?				
6	mg/mL			
How is batch made (mixing instruction	C .			
Pump Information:		Other(describe)		
Peristaltic Displacement				
Make Maximum numn autnut	OP n	nL/min		
Maximum pump output		bystem pressure at in	jection point PSI	

What triggers operation of	the chemical pur	np?					
How is dosing achieved?	Continuous se	t feed	Flow Pac	ed	Other		
How is dosing verified?	SCADA		Manually	7	Other		
Carrier Water Utilized?		C	Carrier water flow rat	te GPM			
Pump status verified by SC	CADA Yes N	No	Chemical pur	np SCADA alarm c	onfigured	Yes	No
Maintenance tasks and fre	quency outlined i	n O&M	manual: Yes N	lo			
Spare parts on-site: Yes	No						
Chemical compatible com	ponents? Yes	No					
Comments:							
Chemical #5							
Proprietary Name of Chen	nical			Type of Chemic	al		
NSF approved Yes	No			Maximum allow		5	
Actual Chemical Name:					· · ·		
Chemical objective: (ie disi	infection, oxidation/coa	gulation, c	corrosion control, sequester	ring, taste and odor)			
Material Safety Data Sheet	(MSDS, SDS) on	-site? Y	les No				
Chemical received as	solution						
Chemical concentration w	hen purchased			Specific gravity	of Chemica	ıl	
Is Chemical batched?	-						
Concentration of batch ta	nk liquid dilution		mg/mL				
Dilution of batch tank	% or rati	o of che	mical to water (volu	me)			
Chemical diluted with: U	ntreated water	Fii	nished water	Deionized water		Other	
Chemical storage room te	emperature	°F		Exposure to	o UV light	Yes	No <sub>No</sub>
Chemical storage adequat	e Yes No						
Comments:							
Chemical received as a	a dry (solid)						
Chemical fed? Dry	Liquid						
Is chemical batching utiliz	-						
Concentration of batch tar		nL					
How is batch made (mixin	g instructions)?						
Pump Information:	ala aonat		Other (describe)				
-	placement	Model	Other(describe)				
Make Maximum pump output	GDP	mouci	mL/min				
Maximum pump output p			System pressure at	injection point	PSI		

What triggers operation	ion of the chemica	l pump?					
How is dosing achiev	ed? Continuo	ous set feed	Flow	Paced	Other		
How is dosing verifie	d? SCADA		Manu	ıally	Other		
Carrier Water Utilize	d?		Carrier water flow	v rate GPN	1		
Pump status verified Maintenance tasks ar	•	No ned in O&I		pump SCAD No	A alarm configured	Yes	No
Spare parts on-site:	Yes No						
Chemical compatible	components? Y	es No					
Comments:							
Chemical #6							
Proprietary Name of	Chemical			Туре с	of Chemical		
NSF approved Yes	No			Maxim	um allowable dosage	2	
Actual Chemical Nar	ne:						
Chemical objective: (i	ie disinfection, oxidati	on/coagulation	, corrosion control, sequ	estering, taste and	d odor)		
Material Safety Data	Sheet (MSDS, SDS	S) on-site?	Yes No				
Chemical receive		,					
Chemical concentrat	ion when purchas	ed is		Specifi	c gravity of Chemica	ıl	
Chemical batched?	I			-	<i>c</i> .		
Concentration of bat	ch tank liquid dilı	ition	mg/mL				
Dilution of batch tan	•		ratio of chemical to		me)		
Chemical diluted wi			Finished water	Deionize		Other	
Chemical storage ro		°F	I mished water				No
Chemical storage ad	•	No		E	posure to UV light	Yes	INU
Comments:	equate						
Chemical received	d as a dry (solic	1)					
Chemical fed? Di	y Liqu	id					
Is chemical batching	utilized?						
Concentration of bat		mg/mL					
How is batch made (1	mixing instructior	15)?					
Pump Informatio	on:						
Peristaltic	Displacement		Other(describe)	I			
Make		Mode	el				
Maximum pump out	tput Gl	DP	mL/min	. <b>.</b>			
Maximum pump out	put pressure	PSI	System pressure	e at injection	point PSI		

What triggers operation of	the chemical pump?			
How is dosing achieved?	Continuous set feed	H Flow P	aced	Other
How is dosing verified?	SCADA	Manua	ılly	Other
Carrier Water Utilized?		Carrier water flow	rate GPM	
Pump status verified by SCA Maintenance tasks and freq		-	oump SCADA alarm co No	onfigured Yes No
Spare parts on-site: Yes	No			
Chemical compatible comp	onents? Yes No	)		
Comments:				
Treatment Plant				
Presedimentation				
Is presedimentation utilized				
Can chemical be fed to prese	dimentation basin?			
Flow rate range to presedime	entation basin	GPM to	GPM	
How many raw water/intake	pumps are utilized?			
Are pumps controlled with V	/FD's?			
Raw/ Process Water Flo	w (pumps used to	pump water thro	ough plant)	
Flow rate range	GPM to G	PM		
Are raw/process water pump	os controlled with VFI	Ds?		
How many raw water/proces	ss pumps utilized?			

Technical Assistance Provider Summary: