

The Law

- Chapter 70.90 RCW gives the authority to:
- Washington State Board of Health to adopt rules (health codes)
 Secretary of Health to enforce the rules
 Secretary of Health to develop Joint Plan of Responsibility with any local health department



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The Rules

Chapters 246-260 WAC and 246-262 WAC:

- Provides specific health code requirements
- Provides specific information about who is responsible for what

 WAC 246-260 is for pools, spas, wading pools, splash pads...
- WAC 246-262 is for waterslides, wave pools, and other waterpark type features



Routine Inspections (1-3 per year)
Depending on the county, following may vary

- o Inspection forms
- Number of visits
- o Permit types and fees
- o Policies and procedures

Operating Permits

- o Who issues operating permits?
- An operating permit is required for each water recreation facility operated in this state.
- o A person may not operate a WRF without a current operating permit

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Operating Permits

- Valid for one year
- Subject to annual renewal (seasonal and annual permits)
- RCW 70.90.170 (Law)
- Permits may be revoked or suspended

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Understanding WRF Inspection Form

Front page of form includes the following sections:

- WRF information
- Inspection type
- o Permit type
- Water quality data
 Primary disinfectant and pH levels
 Water Temperature
 Water Clarity

 - o Flow rate
- Violation information
 - Critical vs. Non-Critical
 - Description of violation
 Corrective action

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				ID Number	W	ATER RECREAT		ITY
				County		INSPECTION	FORM	
	Business Nar	ne	A	odress		City	Zip C	code
Inspection T	pe:	Routine	☐ Follow-up		Oth			
Date		Time Started		Total Time		Permi		
						acitity is: General		ted Use
Free Chlorine	Pool #	Total Chlorine	Bromine	ATER QUALITY I		Total Chlorine	hoot#2 Bromine	
pH	_	Cyanuric Acid_	Clarity	pH		Cyanuric Acid	Clarity_	
Temp (>95" F.		Akainty	Flow Rate pertification on a	Temp (>6	□Yes	Alkalnity	Flow Ra	
CRITICAL	NON	Te Daning G		UPTION OF VIOL		200	Correct by	
ITEM	CRITICAL		DESCR	ar non or vice	A IIIOA		Contect by	ACCION
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CONTROLL (TE	***		and the second	There is no 14 of	T.114105.0	MMEDIATE CORRECT	THE ACTION	_
Repeated viola	ations may lea	d to enforcemen	it action being ini	tiated or permit susp	ension or	revocation.		
this notice ma written reques does not stay	y result in imm t for a hearing a suspension.	ediate suspensi is filed with the	on of your permit jurisdictional hea	to operate this pool th authority within th	(s). An op se period	e corrected as noted. Fi sportunity for an appeal of time established. No	will be provide	dfa
This inspects	on does not d	letermine comp	eance with the I	Virginia Graemo Br .S. Consumer Proc	kar Pool	and Spa Safety Act.		
Operator/Ov		w 990 act	mill 010 U	I Health A		y community.		

Page 2 of the WRF Inspection Form



RED items

- What are red items?
- What red items lead to immediate closure?
- Immediate corrective action required



Black items

- Repeated violations may lead to enforcement action
- Immediate corrective action required

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Items in Red are critical health and safety violations that may be cause for immediate closure.						
Water	Quality	Lauber Rooms & Restrooms				
0110	Disinfectant level very lew - Cleaure Disinfectant level level - halow minimum	2003 Improperly maintained and operating 2013 Lockers or disper changing station not secured, maintained, or				
0120	Disinfectant level very high - Cleause Disinfectant level high - above maximum					
0120	Combined chlorine level high (> 50% of free chlorine)	2000 Floors, walls, or ceilings in unsanitary condition 2100 Tollets, showers, or sinks not adequate or maintained tacking soap.				
0211	giff low - below minimum.	3200 Shower temperature exceeds maximum 120" F.				
0221	pH high - above maximum	Paci Structure, Methings & Selety Lines, 3360 Pool sides are rough or have protopoons				
0300	Test Kit not adequate Water clarify unsatisfactory imain drain and pool bottom not	3300 Pool sides are rough or have protitusions 3400 Pool surface color is not white or light color				
0410	Wider Clarity Hazy or cloudy Wider temperature 2 195° F Classics	3000 Safety fixed line or marking line not provided at break between shallow and deep areas of good				
		3700 Post surfaces in drift and unsanitory condition				
0600	Cywnetic acid high	Personal				
Walter	ng Surfaces & Barriers					
	Walking surfaces have trip hazards, improperly drained, slipperly, or permeable finish	2019 Attendant not present when required 2029 Lifequant or attendant instending				
	Barrier construction is not adequate Gates/doors are not self-closing	4000 Emergency response training for appropriate personnel net provided anchor decommendation and available				
		and/or documentation not available				
		Energency Statisment				
	closed to public	6711 Extraorest energies explorest andior inspecials				
Inlets	& Outlets	4309 When Reguard is regularly resous tube or busys and				
0900	Suction cutlets improperly secured and/or not infact - Clesure Single main drain without safety system or device	backboard not provided 4409 When Reguerd is not regulard: double crook reaching poles,				
1010	Overflow system improperly functioning Shimmer were not in place	provided etics First and KE (16 unit) and/or accessible emergency blanked not				
1030	Shirmer equalizer line does not prevent entrapersent	provided				
Ledde	rs, States, Chring Beands, & Starting Blocks	Water Supply and Wasta Disposal				
	Hot provided as required Displace with treats visible, contrasting color handralls serves	4001 Water supply not in compliance with WAC 246-290 4700. Water supply not protected against cross connection				
1200	Diving boards not properly secured or in need of repair					
1400	Starting block protection not adequate	4500 Sewage and waste disposal not is compliance with state and local codes.				
Secina	utation, Mechanical Room & Filtration					
1500	Tamever rate not adequate No flow mater	Bather Use and Cordinal 5009 When Regulard is not regulated: Supervision of users not in				
1700	Pumps not operating - Clasure Filters not operating or severely mathematicating	present when small children are at the goot) 5100 Stanese required is not consciously posted or tacks required				
1900	Pump strainer needs maintenance Extra certridge not provided for certridge filter	5112 Inadequate netification to users for conditions of use at non- Heguarded facilities				
2010	Equipment room not looked	pool area				
District	estant & Chemical Feed Stocker & Equipment	Other and Missellaneous Items				
	Disinfection equipment installation, maintenance or operation not admissible	5300 Manitoring and recordinging improperly maintained 5400 Operations plan not developed and/or used				
	Chemicals improperly stored and looked Chippine gas facilities; improper safety equipment & controls	5700 Other concerns for referral to other agencies (such as electrical, structural, etc.)				
	Intertacks between chemical feed pumps and recirculation system absent or incomplie					
		5000 Miscellaneous concerns				
Lights	ng & Verillellen Lightno inedepuste					
2000	Ventilation inadequate					
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Tips on writing a good WRF inspection form

- 1. State what you observed or told
- 2. Verify the violation item number
- 3. State what the pool code requires
- 4. State the corrective action
- 5. Provide a timeframe for corrective action





Example 1 (continued)

- What did you observe?
- What is the violation item number?
- What does the pool code require?
- What is the corrective action?
- What is the timeframe for corrective action?

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Example 2





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Example 2 (continued)

- What did you observe?
- What is the violation item number?
- What does the pool code require?
- What is the corrective action?
- What is the timeframe for corrective action?

Tools and Equipment for Inspectors	
Documents Pool codes Inspection forms Educational documents Illness and incident forms Copies of the pool rules and pool logs Tools and Equipment Pool Kit Flash light Light meter (if available) Measuring tape Thermometer Ear plugs	
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Tools and Equipment for Operators	
Documents Operation plans Dry and liquid measuring conversion sheet SDSs for each piece of equipment Pool log records Tools and Equipment Pool kit and back-up chemicals PPE for pool chemicals Dry and liquid measuring utensils Tools needed to operate recirculation system equipment	
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Staying safe at WRF?	
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Pressurized equipment dangers

- All equipment after the pump operates under pressure
- What should I do before adjusting any equipment?
- Wear PPE as recommended



Routine Maintenance with Pressured Equipment



CAUTION

Never attempt to clear a clogged line by switching chemicals. Switching the muriatic acid and sodium hypochlorite lines can result in these chemicals mixing and releasing toxic chlorine gas

Never mix different brands of disinfectants



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Chemical Storage Room

- Read and understand the product label for <u>each</u> pool chemical used
- Restrict access to equipment and chemical storage rooms/areas
- Ventilation needed
- Rooms and areas shall be out of direct sunlight, dry and cool
- Sized sufficiently to store all needed pool chemicals



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Chemical Storage

- Don't store chemicals on floor
- Use a different scoop, bucket, & dispensing equipment for each pool chemical
- ➤ Know where PPE is located
- > Don't eat or drink







Safety Tips When Handling Chemicals

- Remove swimmers from the pool/spa before adding any chemicals
- Follow the product label for <u>each</u> pool chemical used
- Wear PPE as recommended by chemical manufacturer
- Make sure you have the current measuring utensil
- Use a different scoop, bucket, & dispensing equipment for each pool chemical
- Wind direction avoid breathing dust or fume

DO NOT ADD WATER TO Dry POOL CHEMICALS

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Videos on Chemical Exposure

https://www.youtube.com/watch?v=LHImDrjR7gE

https://www.youtube.com/watch?v=RC015QXInI4



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Potential Health Effects of Pool Chemicals

- 1. Chlorine (skin contact, inhalation, ingestion)
 - o Gas vs Liquid exposure
 - Blurred vision
 - Chest tightness
 - Coughing
 - Difficulty breathing or shortness of breath
- 2. Acid (inhalation of vapors)
 - Acute burns, pulmonary edema, coughing, irritation of the respiratory tract
 - o Long term skin contact: pain, burns, skin irritation
- 3. Soda Ash
 - o Irritation of the eyes, throat and nose mucous
 - Mild irritation of the skin

Chemical Emergency Plan	
Before an incident	
 Develop a chemical emergency response plan 	
Routinely train staff	
During an incident	-
response plan	
3. After an incident	-
 Document the incident and response and notify your LHJ within 48 hours. 	
 Conduct a post-incident critique with all parties 	
involved in the response	
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Questions?	
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Questions	
Questions	
 1. Explain the proper way to store pool chemicals. 	
 2. As a pool owner or operator, what should I do before replacing my recirculation pump? 	
3. What are some useful tools and equipment that will help me while I am at a water recreation facility?	
• 4. As a pool owner or operator, what should I do to prepare my facility for emergencies?	
• 5. What are some of the health effects of improper	
exposure to pool chemicals?	

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