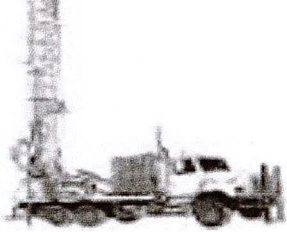




Spring 2024 CEU Seminar

Driller Agenda

Presented by the Washington State Ground Water Association

	<u>Agenda</u>	<u>Speaker</u>	
7:30-8:00	WSGWA Registration		
8:00-8:15	Welcome	WSGWA	
8:15-10:15	Regulations Update This session will cover any new developments in Washington's well construction and licensing statutes as well as review current regulations and industry updates.	Department of Ecology	
10:15-11:15	Well Design & Construction Fundamentals of well design in an unconsolidated setting. We will cover formation sampling, sieve analysis, permeameter analysis, evaluation of grain size, filter pack design and sizing, well construction considerations, impact of well design on well development. Other lessons learned over 20+ years of working in the field.	Mike Piechowski; Terraphase	
11:15-12:15	Geotechnical & Environmental Drilling Auger, hollow stem auger, direct push, mud rotary, sampling technology and protocols: Split Spoon, Dames & Moore, Shelby Tube, Hammer size and type, "N" value and Blowcounts. equipment and tooling tips. How hard does the hammer actually hit? Health and safety precautions. Decontamination of equipment. Well design, construction, and completion, wellhead construction.	Mike Piechowski; Terraphase	
12:15-1:00	Lunch		
1:00-4:00	Understanding & Addressing Well Problems Problems with well performances are usually preventable often starting with well construction and development. Discussed will be key factors affecting performance and development flaws.	Jim Bailey; Shannon & Wilson	

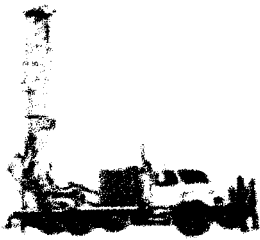
Dates and Locations for Spring 2024:

3/8 La Quinta, 1425 E. 27th St., Tacoma, WA 98421

3/29 Mirabeau Park Hotel, 1100 N. Sullivan Rd., Spokane, WA 99037

3/30 Holiday Inn on the River, 802 George Washington Wy, Richland, WA 99352

*class topics subject to change



Washington State Ground Water Association

Spring 2024 CEU Seminar

Driller Registration

Attendee name: _____

Company: _____

Street: _____

City, State, ZIP: _____

Phone: _____ Email: _____

**Open
To
Everyone!**
Registration 7:30-8:00
Class 8:00-4:00

Register by Feb. 23, 2024 to avoid Late Fee

Location	# people registering	WSGWA Member Price	Non-Member Price	2 Hr Rules & Regs class <u>ONLY</u> Member/Non-Member	Late Fee	Registration Cost
Tacoma 3/8		\$95	\$120	\$40/ \$45	____x\$50	
Spokane 3/29		\$95	\$120	\$40/ \$45	____x\$50	
Richland 3/30		\$95	\$120	\$40/ \$45	____x\$50	
					Total:	

Additional attendee name(s) _____

Email: _____

Email: _____

Registrations must be received before Feb. 23, 2024 to avoid Late Fee

Refunds: 100% through 2/23/24 50% after 2/23/24; No refunds for "no-shows"

____ My check payable to WSGWA is enclosed
**Since we are a Non-Profit organization, checks are preferred.*

____ Please charge my credit/debit card: () MasterCard () Visa

Credit Card Number: _____

Expiration Date: _____ 3 digit code (back of card) _____

Name as it appears on card: _____

Billing address for the card: _____

Signature: _____

Lunch provided!
 (lunch not included with 2 hour Rules /Regs only option)

Note: If you attend more than one seminar you will only receive additional CEUs for the classes that are not repeats.
 Call 206-351-6384 with questions for clarification.

*Send registration to: WSGWA c/o Linda Hill, P.O. Box 813, Burlington, WA 98233

Or you may *Fax registration to: 360-757-7353

For registration related inquires contact: Linda Hill, WSGWA Admin. Coordinator 360-757-1551

For seminar related inquires contact: Colleen Mastro, WSGWA Education-Convention Coordinator 206-351-6384

colleenmastro@hotmail.com

Washington State Ground Water Association Pump Installers Combo License CEU Registration

2024 Spring Seminar Series

8 credits possible towards combo license

Class 8am-5pm *Registration 7:30-8:00 am

“Industry Related Plumbing Code & Motors Article 430”

Trainees, bring your Code book for Roger’s portion



Steve Nastruz will present the 4 hour Plumbing Code, Roger Chick will present the 4 hour Motors Article 430.

This 8 hour course is for your 03/03A Pump Installer combo license. Trainees will be able to receive 4 hours towards their Elec. license as well.

Dates and locations are:

3/8 La Quinta, 1425 E. 27th St., Tacoma, WA 98421

3/29 Mirabeau Park Hotel, 1100 N. Sullivan Rd., Spokane, WA 99037

3/30 Holiday Inn on the River, 802 George Washington Wy, Richland, WA 99352

Fee: in () fee+late fee

Location	# people registering	WSGWA Member Price	Non-Member Price	Late Fee After 10.12.23	Registration Cost
Tacoma 3/8		\$130 (\$180)	\$155 (\$205)	___+\$50	
Spokane 3/29		\$130 (\$180)	\$155 (\$205)	___+\$50	
Richland 3/30		\$130 (\$180)	\$155 (\$205)	___+\$50	

Registrations must be received before **Feb. 23, 2024** to avoid Late Fee

Total \$ _____

Refunds: 100% through 2/23/24 50% after 2/23/24 No refunds for “no-shows”

___ My check payable to WSGWA is enclosed ***Since we are a Non-Profit organization, checks are preferred.**

___ Please charge my credit/debit card () Mastercard () VISA

Credit Card Number: _____ Expiration Date _____ 3 digit code _____

Name as it appears on card: _____

Billing address for this card: _____

Signature: _____

Attendee Name: _____

Company: _____

Street: _____

City, State, ZIP: _____

Phone: _____ Fax: _____

Email: _____

Trainee? YES NO circle one

****Send in copy of licenses with your registration.....Pump Installer license numbers:**

Elec# _____ Plumber# _____ Admin# _____

*Send registration to: WSGWA c/o Linda Hill, P.O. Box 813, Burlington, WA 98233

Or you may *Fax registration to: 360-757-7353

For registration related inquiries contact: Linda Hill, WSGWA Admin. Coordinator 360-757-1551

For seminar related inquires contact: Colleen Mastro, WSGWA Education-Convention Coordinator: colleenmastro@hotmail.com 206-351-6384