



August 10, 2017 Water Well Disinfection Workshop

Disneyland Hotel
1150 West Magic Way
Anaheim, CA 93725

Instructors: Larry Newcomb & Tim Guishard
Cost: \$120 for Members, \$170 for Non-Members

Synopsis

- Groundwater Hydraulics to the novice, because it's critical to understanding how much water is taken into a flooded well based upon time of flooding, Permeability of the soils or volume of fractures, and static level of the well.
 - The chemical and biological differences and similarities between Surface Water and Groundwater.
- Understanding problems in wells (coliform, E. coli, and Iron Bacteria) including grout failures, corrosion in well casing, inadequate seating of well casing in consolidated aquifers.
- "Timed" testing in wells to determine if there is a continuing source of organisms to better understand if chlorination could be effective.
 - Understanding well vs system problems by location testing in the system and working back to the well.
- Types of local lab testing and differences between Present/Absent and coliform counts. IDs of Opportunistic Pathogens that will cause false Present on lab tests.
 - Chlorine: Biocidal vs oxidative chlorine products, percentages of chlorine, half life of chlorine.
 - Examples of tools and equipment used in well disinfection
- Factors of successful chlorination in normal wells due to pH of natural water, placement of chlorine, monitoring of chlorine residual, etc.
 - Factors of successful chlorination in flooded conditions.



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CONTACT INFORMATION		
Attendee Name:	Company/Agency:	
Address:		
City:	State:	Zip:
Email:	Phone:	Fax:

Are you a member of CGA?
<input type="checkbox"/> Yes <input type="checkbox"/> No

Payment Information		
Total due:	<input type="checkbox"/> Check # _____	
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Card Number:	Expiration date:	Security Code:
Name on card:		
Billing Address:	City, State, Zip:	

Authorized signature: _____

Please return this form via mail or email to the CGA office, ATTN: Amanda Smith, asmith@groundh2o.org
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