

Groundwater Reflections

Volume 35, Issue 3, Fall 2016



CARB REGULATIONS DELAYED

As has been reported periodically in this publication, CGA has been heavily involved in opposition to proposed off-road engine regulations developed by the California Air Resources Board (CARB). New rigorous regulations were to be adopted in January of 2017 requiring all off-road engines involved in drilling and pumping operations to be upgraded to Tier 4 status.

In order to adequately reduce particulate emissions, the newly developed Tier 4 engines must regenerate periodically during operations. When regeneration occurs, engine operations may cease or power and rpm may be reduced. Since as many as four engines may be involved in drilling operations on a single site, engine regeneration, that most likely will occur at different times, will lead to at best costly delays, and at worst, a complete loss of circulation. Documented evidence shows that existing Tier 1 and 2 engines may actually exhibit lower particulate emissions than Tier 3 engines. Finally, the 1500 degree temperatures during regeneration may cause auto-ignition of gasses that may be present at the well site.

The implementation of Tier 4 engine regulations will not only impact CGA contractors during their operations, but will also influence all other divisions of the association. Engine regeneration during the performance of constant rate aquifer tests may result in significant gaps in data, thereby voiding results in tests mandated by State and county health departments as a condition of well certification. We have already seen a number of drill rig manufacturers decline to sell rigs in California because meeting Tier 4 Final standards is just too difficult. Many CGA members have said that if and when the Tier 4 Final standard is implemented, they will close their businesses.

Continued on Page 14

OOPS

During the preparation of the CGA Convention Kit, recently mailed out, we inadvertently displayed the incorrect company logo for one of our long-time members Premier Pump & Supply, Inc. CGA truly regrets this error, and apologizes to them for our gaffe. The correct logo is displayed below.



DON'T FORGET

October 20-22, 2016



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DATES TO REMEMBER

2016 & 2017

OCTOBER 20-22, 2016 - CGA 68th ANNUAL CONVENTION & TRADE SHOW

Peppermill Resort Spa Casino, Reno, NV

FEBRUARY 8, 2017 - WATER WELL CONSTR WORKSHOP

Doubletree by Hilton Sacramento, CA

FEBRUARY 9, 2017 – DAY AT THE CAPITOL

Doubletree by Hilton Sacramento, CA

FEBRUARY 10-11, 2017 - BOARD OF DIRECTORS MEETING

Doubletree by Hilton Sacramento, CA

MAY 12-13, 2017 - BOARD OF DIRECTORS MEETING

Tenaya Lodge at Yosemite, Fish Camp, CA

OCTOBER 19-21, 2017 - CGA 69th ANNUAL CONVENTION & TRADE SHOW

Grand Sierra Resort & Casino, Reno, NV

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CGA website: www.groundh2o.org



CGA President's Message

By Ron Hedman

HEY – WE'RE MOVING – AND CGA IS HEADED TO SACRAMENTO

Hello CGA Members, it's a wrap for 2016 Board of Directors meetings. CGA Executive Board met in Palm Springs for our 3rd and final meeting this year and a decision is made on management of CGA moving forward.

We raise our glass to our outgoing Executive Director and Staff; our own members John and Renee Hofer and Beverly Haley for their diligence in keeping CGA active and ensuring momentum of these heavy issues of CARB compliance and other governing's with our State. Including preparation and execution of Day at the Capital, Water Well Standards, Board Meetings and our Annual Convention to name a few. A BIG Thank You!

With the management chosen for the upcoming year behind us we are focusing on industry issues and the top of the Executive Boards list is 'CARB' and how to meet their requirements, understand our challenges, the industry impacts to clean air AND educating the legislators.

For "Day at The Capital" 2017 in February I challenge all members and non-members to come talk with our legislatures, flood the halls with our presence, share our concerns, be a voice, be stronger in numbers. It's a goal to have over 100 people show up for meetings in the AM and if you can stay, support, hit the offices appointed to your jurisdiction and show that CGA supporters are present and accounted for, noticed at our capital. We can't reach our goals without your support!

If you would like to know more attend the CGA Membership Meeting during your convention in Reno where you can see your Executive Board and learn our focus and how we will work in our state. Share with us the work in your individual branch operations, the challenges you face.

To all members, officers and those who are thinking of joining CGA or running for a Branch Office, Thank You for keeping the body of CGA alive! All branches are encouraged to send 2 officers to each board meeting throughout the year and volunteer for committees that

have direct impacts, be a change agent to sustain ourselves in the evolving industry and associations direction.

A lot has been planned during the year for our Annual Convention and we are ready for Reno NV at the Peppermill. Our manufacturers and suppliers are geared up just for us and the networking is important, let's give them a year they will never forget in interaction and participation guaranteeing a 'win outcome' in product options and best known methods, meeting your specific needs. They worked diligently to prepare presentation booths. Attend the workshops, enjoy a card game, the banquet is a 'must have' with speaker Laura Perry and her extreme expeditions, a friendly game of golf, Christmas shopping at the silent auction and spend time visiting with both old and new friends. Theme is Americana, if you have that 4th of July outfit, pull it out and wear it! The Convention Committee has kicked it up a notch!

I extend my gratitude to all members for your continued hard work and support in our first year as Vicky and I make our way in being President of the California Groundwater Association. Looking forward to 2017 and success stories in both our Association and Industry.

SACRAMENTO – HERE WE COME!

Ron



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CGA Executive Director's Message

By John Hofer

As September morphs into October, all efforts at the office are once again concentrated on the upcoming CGA Convention and Trade Show. Even though this is our third year putting the show together, it doesn't get any easier! Each year presents its own set of challenges, and this year is no different. Like virtually all other associations, the last thing our members are thinking about is the show way off in mid-October. I urge you all to not put off until the last minute the show registration and the hotel reservations. There is a significant financial incentive to get signed up before the deadline of September 30.

Once we grind through the trials and tribulations of convention preparation, the CGA will embark on a new chapter in its history. Effective January 1, 2017, staff duties will be taken over by the management firm of Smith, Moore, and Associates (SMA). The office in Santa Rosa will be closed, and the new headquarters will be housed in SMA's offices in Sacramento. Certainly there will be some internal fits and starts during this

process, but the possibilities for greater efficiency, a legislative presence, and eventual association growth will be greatly enhanced.

Over the final two months of the year, the office furniture, supplies, records, and other documents will be sorted and consolidated into a manageable quantity. Much of the unnecessary office furniture and equipment will either be sold or given away. ADC/CGA historical materials, such as scrapbooks and other association memorabilia, will be stored for use at future conventions and other CGA events.

A representative of SMA will be attending this year's convention in order to learn more about the kind of association we are. When you meet, be sure to extend a warm welcome. This is a fabulous opportunity for CGA to really become the leader in our industry.

John



NEWS RELEASE

FOR IMMEDIATE RELEASE



Glens Falls, NY – Flomatic Corporation introduces the new **Model 54-4MJ Flo-E-Centric®** plug valves with Mechanical Joint (MJ) connections. The **Flo-E-Centric®** plug valves are round-port eccentric plug valves designed in compliance with ANSI/AWWA C517-09. The Flomatic eccentric plug valve Model 54-4MJ is available from 6” thru 24” with standard gear box with a 2” operating nut for buried service. The valve body, bonnet and plug (NBR encapsulated) are constructed of ASTM A536 grade 65-45-12 ductile iron. The Flomatic Model 54-4MJ is available from 6” thru 12” with a spherical full-ported seat/plug design and 14” thru 24” are rectangular full-ported seat/plug. The valve body and top-work are epoxy coated inside/out. The Mechanical Joint valve-end connection meets the requirements of ANSI/AWWA C111/A21.11 (Rubber-gasket joints for ductile-iron pressure pipe and ductile-iron and gray-iron fittings, valves, hydrants, and other appurtenances for potable water, wastewater and reclaimed water supply service). All fasteners and washers are stainless steel, suitable for water or wastewater service.

These valves are also available with flanged-end connections Model 5400. For more detailed information on Flomatic's new **Model 54-4MJ Flo-E-Centric® MJ** plug valves or to obtain a copy of the new 2016 condensed valve catalog, visit www.flomatic.com, email them at flomatic@flomatic.com, call Flomatic Corporation at 1-800-833-2040 or fax them at 1-800-314-3155.

Contact: Dina Dieckert, Marketing Coordinator
Telephone: 518-761-9797 ext 225 Fax: 518-761-9798
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CGAA President's Message

By Vicky Hedman

We are near the 4th quarter of 2016 and it feels that the preparations done throughout the year at the board meetings and monthly conference calls paid off, for Convention is almost here and we are almost ready. To the Executive Director and Staff, John & Renee Hofer & Bev Haley. words can't describe the gratitude Ron and I have for you keeping this CGA ship full steam ahead!!! To committee members, you rocked 2016, Ron and I would use a heart emoticon right now, Thank You CGA.

The board just met in Palm Springs and the Auxiliary meeting was well attended. Yes, it was hot but Palm Springs has ACTION, facilities, fabulous meetings conducted & productive, great rate coupled with affordable golf – success!

Much lively discussion regarding CARB – feeling of needing to do something! We need all involved in the industry that can stand-up for the right turn of rules, that our rights be demanded and then accepted by congregants/lawmakers before disaster hits. Kelly Doherty joined the meeting for committee reporting and 'lit a fire' under us, encouraging everyone to "be thinking out of the box" how to best keep us in the news, legislation and public eyes and ears, make change happen. Pumped with enthusiasm; All felt a jolt.

We need you/every member and non-member alike to attend the 2017 Day at the Capital. I joined this industry in 2003, issues of CARB, Standards, governing agencies, fees looming over us and all seemingly dragging on for near my entire career in Well Drilling. Our fighting leadership needs us to support in numbers. Much gratitude for the fighters of our industry, and how can I help/assist as our dance cards are up.

The CGAA board attendees had a target to be "on the home stretch" of being convention-ready, which is complete, and as usual we executed standard board business at hand with eloquence. Our Woman of the year has been selected and Kathy Rottman is compiling for the unveiling at convention. With that, CGAA is completely ready for our annual woman's luncheon "Thank You Ladies" and we are always guaranteed fun, all are welcomed! Those with the young ones, don't let that hold you back, we would love to have you all.

Local Branch Presidents! An enthusiastic request for 2 Ladies Gifts be donated by your branch. Then they need to be brought into the luncheon at convention. This is appreciated by all of us, a fun part of our luncheon. CGAA gifting is traditionally courtesy of Local CGA Branches donating gifts to the women's auxiliary luncheon. THANK YOU CGA LOCAL BRANCHES, if you or yours can make this happen from your branch, we are grateful for both past and present and future tokens of gratitude to women of our industry. We greatly appreciate your time, effort of obtaining, wrapping or bagging and bringing your branches' donations to the luncheon.

We'll walk away with lots of laughing, sharing, caring and crafting and yes, a small gift of appreciation. Life can be hectic, please know that I appreciate you.

To the many volunteer woman in CGAA board meetings that keep it chugging, you know who you are, our train keeps moving down the track and we are smooth on the rails.

PS: The women were in heaven this last meeting as we have two new babies this year, plus the gaggle that we already love to pieces, we were cooing and loving every minute of our newbies. Thank you for being the best volunteers a gal could ever hope for!

PSS: Don't forget our theme this year is "Americana" and the colors are the magnificent reflection of our good ole flag. Hooray for the Red, White and Blue! See you at Convention XXOOXXOO

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TOURNAMENTS PLANNED FOR CGA CONVENTION

Four tournaments are planned for this year's show in Reno, Nevada. As always, competition will be intense with bragging rights on the line of another year. Remember that half of all profits from these events go to support CGA activities. Don't wait 'til the last minute to register for these popular tournaments.

Golf

On Thursday October 20, the annual CGA golf tournament will once again be hosted by the LakeRidge Golf Course. Over the past several years when we've



been in Reno, players have enjoyed the hospitality and challenge of this course. Details on individual or team registration and sponsorship opportunities

can be found on the CGA website's "Events" page. Remember that those exhibitors wishing to play, will have priority booth setup on Wednesday.

Game Night at the EDGE

On Thursday, after the Meet and Greet on the trade show floor, a new family-oriented event promises to be a huge success. To be held in the Peppermill's EDGE nightclub, this new contest will pit young against old in a test of skill at the game Jenga. This single-elimination tournament will culminate in a final with a giant Jenga. You don't have to participate to enjoy the fun.



Texas Hold'Em & Blackjack

Two gaming tournaments will be held this year. On Thursday night will be the annual Texas Hold'Em contest, and the culmination of the convention on Saturday will be the Blackjack tournament. Match your skills against the best card players in the association.

Take advantage of all your trade show has to offer. Take in the seminars and the exhibits on the floor, but don't forget to relax and enjoy the social aspects of these tournaments.

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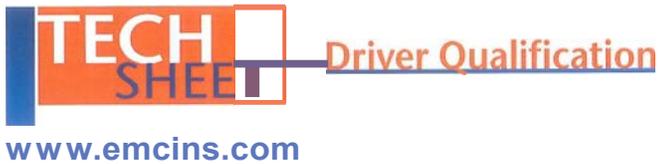
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Insurance Corner
By Bob Murphy, CIC

Driver qualification is an important practice for all our members and questions come up weekly on this subject. EMC is one of our preferred carriers for CGA; and have pointed out the issues, best practices and references for all.

Bob



Selecting the right drivers and monitoring driving records are critical tasks for maintaining a safe fleet. According to the National Highway Traffic Safety Administration, over 5.7 million vehicle crashes are reported each year in the United States. Most of these accidents occur due to driver error. To help manage your risk, you should establish driver qualification criteria and regularly monitor your drivers as part of a fleet safety program. Do not entrust any employee with a vehicle-not even for a quick errand-until you know they have the necessary safe driving skills and behaviors.

Driver Qualification Criteria

When deciding whether an employee is qualified to

drive a company vehicle, start by looking at their Motor Vehicle Record (MVR). An employee's driving history is a good indicator of their driving skills and behaviors. Other criteria include a valid and correct type of driver's license, a minimum two years of experience with the kind of vehicle they will be operating, and training specific to the type of vehicle and/or cargo.

Employees with any of the following violations on their MVR in the last five years should be disqualified from driving:

- Driving under the influence of drugs or alcohol
- Vehicular manslaughter
- Using a vehicle to commit a felony
- Hit and run/ Leaving the scene of an accident
- Fleeing/Eluding police or resisting arrest
- Reckless driving
- Speeding more than 15 mph over limit
- Open container violations
- Operating vehicles with a suspended/revoked license
- Passing a stopped school bus
- Railroad crossing violation

Minor violations should also be evaluated in conjunction with any at-fault accidents when determining an employee's eligibility (see the matrix below). Examples of minor violations include:

- Speeding 15 mph or less *over* limit
- Failure to stop
- Following too closely
- Failure to yield
- Driving too fast for conditions

Continued on Page 9

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Insurance Corner

Continued from Page 8

- Seatbelt violations
- Improper turn
- Texting/Phone use violation
- Unsafe lane change
- Illegal passing

Number of minor violations in last 3 years	Number of at-fault accidents in last 3 years			
	0	1	2	3
0	Eligible	Eligible	Borderline	Ineligible
1	Eligible	Eligible	Borderline	Ineligible
2	Eligible	Borderline	Ineligible	Ineligible
3	Borderline	Ineligible	Ineligible	Ineligible
4	Ineligible	Ineligible	Ineligible	Ineligible

Driver Training

Each new driver should be trained on your Fleet Safety Program. Provide ongoing training to all drivers on topics such as defensive driving, driver fatigue and distracted driving. Be sure to keep everyone up to date on any regulatory and policy changes.

For new drivers or existing drivers who will be driving a different type of vehicle, ride-alongs with an experienced, safe company driver are a good learning opportunity.

Disqualified drivers who become eligible again should be required to successfully complete a driver improvement class before being placed on your active driver list. The training should include remedial and behind-the-wheel training.

Driver List

Maintain a list of eligible and ineligible drivers based on your qualification criteria, including the following information:

- Driver name
- Driver license number
- Driver license type
- Endorsements
- Date of hire
- Date of last MVR check
- Date of driver training

Remember to include any employees that use their personal vehicle for company business. Recheck the records of all drivers at least annually, and more frequently for drivers at or near the eligibility borderline.

For Additional Information:

EMC Insurance Companies:

www.emc.ins.com/losscontrol

- Safety by Topic—Fleet and Driver Safety
- Safety Program Templates—Fleet Safety Program (Non-DOT); (DOT)

National Highway Transportation Safety

Administration:

www.nhtsa.gov

U.S. Dept. of Transportation—Federal Motor Carrier

Safety Administration:

www.fmcsa.dot.gov

Occupational Safety & Health Administration:

www.osha.gov

- Guidelines for Employers to Reduce Motor Vehicle Crashes

REMEMBER

CGA'S 68TH CONVENTION & TRADE SHOW

A Show your pride!

M Celebrate the Red, White, & Blue!

E

R

I



C Honor Old Glory

C

A Display the Stars & Stripes

A

N



A

Legislative Report

By Pete Conaty
Legislative Advocate

SB 995-PAVLEY; WELL STANDARDS:

As you know, the CGA's sponsored bill to update the Bulletin 74 well standards failed passage in the Assembly Appropriations Committee. The Legislature meets in two year sessions and the 2015-16 session has just concluded. A new Legislature will convene after the elections in November and all bill ideas must be introduced as new legislation.

It was a disappointment that SB 995 did not pass. We had the Chair of the Senate Natural Resources and Water Committee as the bill's author and SB 995 enjoyed a relatively smooth passage through the Senate. However, the Assembly Appropriations Committee shelved the bill because of perceived cost pressures on the state's General Fund. This was probably due to mixed signals from the Governor's Department of Finance and the Department of Water Resources regarding the cost of the bill. In the end, the Department of Finance tagged the bill with an "oppose" position.

We need to continue to pursue the updating of the state's well standards. I will be meeting with DWR and the Governor's office prior to the CGA Convention and then I will be discussing the way forward with you at the convention.

OTHER 2016 LEGISLATION:

After passage of the controversial Sustainable Groundwater Management Act (SGMA) last year, there were numerous legislative attempts to make changes to it to speed up implementation and improve it. Most of these bills failed and only a couple made it to the Governor's desk. The Governor has until September 30 to take action.

It appears that the Administration is taking a wait and see attitude to SGMA. The following bills that dealt with SGMA and failed (which CGA had a 'Watch' position on) were:

- AB 647-Eggman; Beneficial Use: Storing of Water Underground
- AB 938-Rodriguez; Sustainable Groundwater Management Act: Basins
- AB 1242-Gray; Water Quality and Storage

Continued on Page 18

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Client: The Water Company Survey Date: April 05, 2008
Address: 1414 22nd Avenue Invoice No.: 8382 Run: 1
City: LAG Vegas, NV 89111 P.O.: 845499 Van: L-18
Country: Operator: John Jones
Requested By: Client's Agent Type Camera: CCDV Color Flip Camera - Long L.H.
Copy To: Water Company's Agent Latitude: 36° 30' 8.28" Longitude: 119° 27' 46.92"
Reason For Survey: New Well Inspection Section: TWP. Range:
Location: Southern Nevada
Fac: Las Vegas South
Other information: This section is for adding information not normally included in a video report

CASING INFORMATION	DEPTHS (feet/inches)	VIDEO OBSERVATIONS
Full Ho Louvers		Downhole Depths are 17' deeper than SideScan Depths
817 to 728 Ft.	0.0 Ft.	Reaming Item - Cement at Oil 2' Below Top of Casing
732 to 764 Ft.	0.0 Ft.	Downhole of Page 11
807 to 814 Ft.	8.0 Ft.	SideView - joint
815 to 835 Ft.	425.0 Ft.	SideView - Top of Casing, Casing change to 16mm steel
800 to 930 Ft.	494.0 Ft.	SideView - Side Water Level (SWL), Poor Visibility
912 to 980 Ft.	542.0 Ft.	SideView - Access Port to 544'
1000 to 1000 Ft.	852.0 Ft.	SideView - Camera Port to 859'
	871.0 Ft.	SideView - Perforations, Top of Louvers Section #1
	720.0 Ft.	SideView - Perforations, Bottom of Louvers Section #1
	750.0 Ft.	SideView - Perforations, Top of Louvers Section #2
	784.0 Ft.	SideView - Perforations, Bottom of Louvers Section #2
	800.0 Ft.	SideView - Perforations, Top of Louvers Section #3
	814.0 Ft.	SideView - Perforations, Bottom of Louvers Section #3
	830.0 Ft.	SideView - Perforations, Top of Louvers Section #4
	854.0 Ft.	SideView - Perforations, Bottom of Louvers Section #4
	886.0 Ft.	SideView - Perforations, Top of Louvers Section #5
	932.0 Ft.	SideView - Perforations, Bottom of Louvers Section #5
	960.0 Ft.	SideView - Perforations, Top of Louvers Section #6
	980.0 Ft.	SideView - Perforations, Bottom of Louvers Section #6
	1,000.0 Ft.	SideView - Perforations, Top of Louvers Section #7
	1,000.0 Ft.	SideView - Perforations, Bottom of Louvers Section #7

18" Casing
14" Casing
14" Casing
400-1000 Ft.

Zero Depth
Top of Casing

NOTE: This is an example of placing notes at the bottom of the video report. Maximum of 100 characters. Page 1

Well Profile Well 14-A

Eagle Professional Software
4601 Matnick Drive
Bakersfield, CA 93313
Phone: (661) 837-2164
Fax: (661) 837-2164
Web: www.eagleprosoft.com
Date: April 16, 2014

Materials Summary

16" O.D. x .250 Wall Blank	250'
16" O.D. x .250 Wall DBL Millslot	280'
2" Access Tube	210'
Birdseye Gravel	510'
Cement Sanitary Seal	40'

Casing Weight Tons

16" O.D. x .250 Wall Casing/Screen	11.14
Total Casing Weight	11.14
Lug Type (2 x 180 deg)	

Example of entering data for display on the well drawing. This information can also be in any colors.

COLOR VIDEO REPORT FEATURES

- ◆ 5 Different professional styles of Video Report, all selectable
- ◆ Capture wellbore snapshots directly into all Video Reports
- ◆ Capture snapshots from video source or DVD
- ◆ Edit snapshots from within Video Report
- ◆ Up to 6 report pages with 12 snapshots per page per well
- ◆ Huge list of Default Descriptions to drag/drop
- ◆ Build your own list of Personal Descriptions for later use
- ◆ Drawing program to insert Well Schematic
- ◆ Spell Check and Word Complete
- ◆ Print to paper or as a PDF document
- ◆ Windows style Help File and Help File as PDF document
- ◆ For Windows 7, 8, and 10
- ◆ Many more features

WELL DRAW REPORT FEATURES

- ◆ Automatic drawing - just enter sizes and depths of items
- ◆ Conductor, 1 casing or 2 casings with reduction
- ◆ Perforations, water level, oil level
- ◆ Access pipes and gravel tubes
- ◆ Patches, corrosion areas, breaks, fish, casing fill
- ◆ Import Video Report and wellbore snapshots
- ◆ Import company logo and well logs
- ◆ Wellbore fill and formation detail
- ◆ Placement of well casing descriptions are automatic
- ◆ Print to paper, as a PDF document or a picture file
- ◆ Windows style Help File and Help File as PDF document
- ◆ For Windows 7, 8, and 10
- ◆ Many more features

**Until January 1, 2017
both programs now include Map Draw, a mapping and drawing application,
at no additional cost.**

CGA Welcomes New Members

Since the last issue, CGA has added 6 new or returning members:

Agri Systems, Chowchilla, CA
PipeLife Jet Stream, Inc., Siloam Springs, AR
William Pedler, Stockton, CA
Swage Kings, Inc., Hanford, CA
Matthew Horner, San Luis Obispo, CA
Taylor Industries, Tulsa, OK

When you meet any of these folks, please extend some CGA hospitality!



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 belcoequipment@gmail.com
BelcoDrillingEquipment.com

DRILL-RIGS

2008 S&S Crown Duke 750: Det Eng, 750 HP, 350,000#...\$750K
 2007 GEFCO 185K: Top drive, 62' Mast, New SI Swivel...\$645K
 2003 Taylor SS 5000: 225,000#, Top Drive, Cat C-15...\$525K
 2007 V-2000 NG Versa Drill: 80,000#, 1250/350 A/C....\$417K
 GD 15W-44M: Cumm BC 400, 61' Mast, 10" RT, 3" Swiv...\$354K
 Cooper LTO 550: 300,000#, Det Ser 60, 17.5" RT, Kelly, \$330K
 2008 Maxidrill 24: CAT C4.2 Acert, Track Mntd, 1K hrs.\$325K
 GD 3000: Tophead, 250,000 Lb. Pull Cap, JD 8.1 L Eng...\$175K
 1973 GD 14W: Cumm 400 BC, 10' Rot Table, Air& Mud...\$118K
 1987 Reichdrill C700: 28' Mast, Track Rig, 1100/150 Air.\$78K
 Franks 50: Double DD, Cumm NTC 250, 2=GD 5x6 Pumps.\$68K
 Hughes LDH60 Caisson/Auger: 50' Mast, 60' EMDR...\$38K

COMPRESSORS

2008 Sullair 1150x500 XXH: 750 Hrs, Trailer Mntd...\$108K
 Sullair 1250x350: Cumm QSX15, Trailer Mntd.....\$58K
 Ingersoll Rand XHP 1170x350, CAT C-15, Skid Mntd.....\$35K
 Sullair 1150x350 XH: CAT C-15, Truck Mntd.....\$31K
 (3) Quincy Joy 1100 x 200: Det Ser 60, Skid Mntd....\$15K
 GD 1100x125: P/b CAT 3408, 8'x20' Skid Mounted.....\$9K

MUD-PUMPS

EWCO W440 Triplex: Detroit w/5 Speed Trans.\$45K
 Sky Brew B-750: 7 1/2"x16"Cat 379, Skid Mntd...\$35K
 GD FO FXO 7 1/4" x 10": Detroit, Trailer Mntd...\$43K
 Continental Emsco D-1000 8"x18":Bare Pump..\$16K
 GD FO-FXO 7 1/4" x 10" Bare Pump, No Bull Wheel.....\$18K

MUD-MIXING-SYSTEMS

2006 Triflo MDS 2500, (3) Cent Pumps, (2) Shakers, 125 KW
 Gen. (3) WEG Elec Eng, (6) Desand Cones, T/A Trlr Mntd \$73K
 220 BBL, Cent. Pumps & Shaker, Desanding Cones....\$35K
 4,200 Gallon, Cent. Pump & 3'x4' Shaker, Trlr Mounted.....\$28K

DRILL-PIPE

1500' 6-5/8 F.H rng II, 4 3/4" ID, Bottle Neck, RC.....\$42/ft
 1500' 5 1/2 F.H rng I, 4 1/4" ID, 5 1/2 IF Threads, Bottle Neck...\$33/ft

CGA ANNOUNCES 2016-2017 SCHOLARSHIP WINNERS

CGA has long recognized the importance of fostering the opportunity for higher education. Toward this end, scholarships are annually presented to deserving students who are either committed to pursuing a career in the groundwater industry and/or family members of a CGA member. This year three scholarships were awarded.

Michelle Buller of Fair Oaks, received the James Edward Memorial Scholarship in the amount of \$2,500.

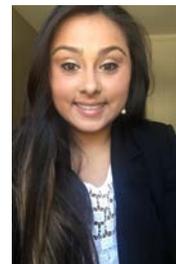


Michelle plans to further her education at the William Jessup University in Rocklin, California pursuing a major in business. Michelle comments in her essay that "I would like to help educate and change the face of groundwater...". CGA agrees and welcomes her as a future advocate for our industry.

Elias Juarez of Brentwood, received the \$2,000 CGA Friends and Family Scholarship. He has been brought up in the groundwater industry through his father, who owns and operates JJ Pump & Well Service, Inc., of Oakley. Like many students embarking on a college education, Elias noted in his essay that he was unsure of what curriculum to take. The example his parents set while running a small business, led him to decide on a program leading to a degree in business at University of California, Berkeley. CGA is pleased to further his ambitions.



Katie Salinas of Sacramento, was chosen as the winner of the \$2,000 Sheryl Kratz Memorial Scholarship largely because of her relationship to long-time member, McLean & Williams, Inc. of Napa. Her grandparents, O.D. and Judy Williams, and her parents Gonzalo and Sherry Salinas, have been involved in ADC/CGA since the early 1970s. Katie intends to pursue a degree in business at California State University at Sacramento, and eventually return to the family business. CGA is proud to assist in her efforts, and looks to welcoming her to the CGA family.



For more information about the California Groundwater Association's scholarship opportunities, please see this link:

<http://www.groundh2o.org/programs/scholarship.html>

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CARB REGULATIONS DELAYED

Continued from Page 1

Should CARB enforce the Tier 4 engine requirements without any concessions to our industry, the end result will be a dramatic increase in costs for well construction and maintenance. Contractors cannot afford or use multiple backup engines while the primary engine regenerates. When the contractor pool becomes depleted as smaller contractors are increasingly unable to invest the huge sums of money necessary to buy new rigs (retrofit engines in most instances are not viable), lengthy wait times for well construction of six months to a year, will become the norm – drought or not! Ultimately when the drillers are gone, it will be the consumer that bears the brunt of this problem..

During 2015 and 2016, the CGA Air Emissions Task Force has participated along with other stakeholders in a series of CARB-hosted workshops, designed to establish a forum where the concerns of all parties can be aired and discussed. The Task Force has been represented at each of the workshops, and has been able to convince CARB that the water well industry has unique concerns. It has become more than just an inconvenience to the industry. Rather, the delays and possible shutdowns at critical times create dangerous health and safety issues that put personnel and wells at risk.

As a result of CGA's involvement in the process, and with the invaluable assistance of Assemblymember Tom Lackey (R-Palmdale), CARB has delayed implementation of the regulations indefinitely until such time as a solution can be developed for the water well industry. While the CGA Task Force works with CARB directly, individual members should contact their local legislators and make their voices heard. If these regulations are allowed to be implemented, the industry as we have known it, will cease to exist.

CGA ATTENDS LATEST CARB WORKSHOP

Larry Rottman, Chairman of the CGA Air Emissions Task Force, attended the latest of the CARB workshops on September 13, 2016. These sessions are designed to gather information from industry stakeholders on the potential changes to the PERP regulation and the portable engine ATCM. The following is a synopsis of the meeting.

Draft PERP Changes

Identical replacement:

- Limited to engines compliant with phase-out schedule
- Only affects non-registered engines

Change of ownership restriction:

- No lower tiers within six months prior to small fleet phase-out
- Prevent movement of older engines between fleets

Low use designation for Tier 3 engines:

- Must be submitted in January
- Aligns with annual report for hours

Remove obsolete Tier 0 engine language:

- Tier 0 extensions for spark-ignition engines
- Emission limits

Other Issues

District reporting:

- Districts must submit annual report summarizing enforcement activities
- Proposing minor change to specify registration number for each inspection performed

Tier 4 engine feasibility:

- Concern that engines with DPFs do not work well in some applications
- Multidivisional team at CARB investigating technical issues
- May provide flexibility in ACTM if issues are not resolved

Tier phase-out enforcement:

- Districts need to be able to readily identify tiers in the field
- Considering methods for field identification and enforcement

The most interesting issue to come out of this workshop, was the question of Tier 4 feasibility. Obviously this calls into question the viability of the proposed regulations for the groundwater industry. It has been through the tireless work of a few CGA volunteers that CARB has been made aware of the potential problems. Although the issue has not been resolved as yet, CGA's diligence has brought the problem to the forefront. The Task Force will continue to work together with CARB until a satisfactory solution is determined. CGA thanks the Task Force for its efforts.



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CGA BOARD OF DIRECTORS MEETS IN PALM SPRINGS

In September the CGA Board of Directors convened in Palm Springs (actually Cathedral City) for the final meeting of 2016. The Board reviewed the status of the CARB issue. CGA has participated in a series of workshops this year, will attend three more September meetings on the 13th in Fresno, the 15th in Sacramento, and the 20th in Diamond Bar. The 40 year exemption that the EPA granted 49 other states, will not be accepted in California. The original 2017 deadline has been moved to 2020 because of CGA's efforts. The issue needs to be boiled down so that the general public can understand this issue and get behind us. We need allies like environmentalists. John will invite CARB to convention.

Ron Hedman reported that the office relocation and Executive Director and staff replacement is close to a decision. Melissa Dixon and Elizabeth Cardwell, of Smith Moore Associates, made a presentation. They have a staff of 17 and access to all types of staff an association would need.

Committee Reports

Executive: Ron Hedman reported that the committee has interviewed Smith Moore Associates from Sacramento and NGWA regarding assuming the CGA management. A decision will be reached soon.

Budget: Dave Fulton reported that the committee is attempting to correct extraneous entries before presenting financial statements at the General Membership meeting at the convention in October.

CGA Standards: Dave Fulton reported the committee wants to put together a page for counties outlining what they think a pump test should entail. The residential pump test standards needs to be updated. Everyone in the state has different requirements.

Convention: Mike Meyer reported that 63 booths and 5 rig spaces have been sold. Randy Delenikos will replace Ty Martin as emcee due to a scheduling conflict. There will be no live auction this year.

Continued on Page 19



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Employee Benefits

By Kelly Doherty

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REMEMBER

October 20-22, 2016



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Legislative Report

Continued from Page 10

Legislation which will enable the state to gather more data on water made its way through the Legislature and at the time of this writing is on the Governor's desk. This bill is AB 1755 by Assemblyman Bill Dodd (D-Napa) who is a former Culligan franchise owner and past president of both the Pacific Water Quality Association and the Water Quality Association.

SB 919-Hertzberg, would require the Public Utilities Commission to allow water suppliers to take advantage of cheaper electricity for pumping if used at non-peak times. This bill is on the Governor's desk.

SB 1317-Wolk; groundwater extraction permit; sought to limit the drilling of new groundwater extraction facilities (for which they are authorized under SGMA), but the bill wanted to jump ahead of the SMGA process. CGA opposed SB 1317 which was stopped in the Assembly Water, Parks, and Wildlife Committee. I worked with a coalition of water interests, led by water issues lobbyist Bob Reeb, to defeat the bill. The lack of support from the committee is a result of the coalition lobbying the committee members, led to Senator Wolk removing her bill for consideration. The bill is dead and Wolk is termed out.

Coalitions, a force multiplier:

A lobbying coalition, such as the one I worked with on your behalf that defeated SB 1317, can also be useful in other ways. It takes a lot of time to keep an eye on water bills that the CGA has an interest in. These are called "Watch" bills. They do not directly impact the CGA's interests, but could be amended in such a way that CGA would need to quickly engage and oppose or support. These bills could also be "gutted and amended" to completely different subjects in the last weeks of the legislative session. I attend, track, and am a member of many coalitions that deal with water, such as the Association of California Water Agencies. This allows us to be kept abreast of what is happening in the water issue area, as well as communicate what is important to my clients to others in the water industry.



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Board of Directors Meeting

Continued from Page 16

Education: Tim Guishard reported that the workshop on Thursday had 25 attendees. The overall rating was 4.1 out of a maximum of 5. The committee is considering having a workshop in February on either Wednesday or Friday. The Day at the Capitol is scheduled for Thursday. So committee meetings will either be held on Friday or Saturday, and the Board meeting on Saturday or Sunday. The committee also wants to schedule a workshop in May in the valley near Visalia or Fresno where attendance should be better than at Tenaya Lodge. Committee and Board meetings will still be held on Friday and Saturday at Tenaya Lodge.

Fundraising and Activity: Erik Lowe reported that all is going as planned except there will be no live auction this year. Large items will be put in silent auction with minimum bids. Main discussion concerned Game Night at the Edge. A single elimination Jenga tournament will be held on Thursday night. It will have food and provide family fun. You don't have to be in tournament to participate. Ron Hedman will have giant Jenga for the finale.

Insurance: Kelly Doherty Kelley will be renewing employee benefits. If rates are way up, give Kelley a call. She may be able to save a significant amount. As part of CGA, there is insurance buying power. 20 percent of everything Kelley earns through CGA goes

back to CGA. Talk to a broker about appropriate documents for employer audits. As premiums continue to raise she is there to help put more money in your pockets and help you be more productive. Dave Landino reported that liability insurance rates are flat. At convention we will have new agent, Ryan Deane, in booth 104. ENC insurance is a possible candidate to replace State Fund as workers comp carrier. Scott Rhymes and Sara Gardner from Wells Fargo will be presenting two seminars at the convention.

Legislative: Larry Rottman reported that SB-995 is held in the Assembly Appropriations Committee, and is therefore dead. CGA should plan to reintroduce the bill next year. CGA may need to introduce CARB legislation next year also.

Membership: Kelly Doherty reported that the committee will continue to use Constant Contact to get more members, and will work with Mike Guardino in this effort. They showed a couple of drafts of a flyer to increase membership. Committee wants to turn flyer into postcard to distribute to CSLBs around state. Casey would like to incorporate Reflections in Constant Contact. Ideally should have 8 email blasts per year.

Scholarship: The committee will redesign the application.

Website: Tylor McMillan reported that the committee will wait until CGA decides what direction they are going in before redoing website.

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