

THE DPS MOOSLETTER

Water Technology at Work

Carrie Pedreiro

The cows at DPS – GA aren't drinking regular water. That's because for more than a year now, the milking herd has been a part of a collaborative field study at the Baconton, GA location studying the effects of a patented process aimed at improving plain old H2O and making it more beneficial to the process of milk production and its quality, as well as providing other health benefits to the cow.

The water treatment system is the brainchild of EAU Technologies, Inc. (EAU) with offices in Atlanta, GA. EAU approached David Sumrall in mid-2007 with a proposal to install their technology on site at the Georgia dairy and provide the enhanced water, called "Empowered Drinking Water", to 1/2 of the milking herd while the balance of the cows remained on regular well water. Plans were made to measure milk production, milk quality, and other differences between the two groups of cows.

In creating Empowered Drinking Water, either well water or municipal

water is run through EAU's state-of-the-science, high volume electrolysis generators, creating two fluids: one an alkaline fluid that is anti-oxidant in nature (ER), and the other an acidic fluid that is oxidizing in nature (EO).

Through the trial with DPS, EAU has tested a variety of settings, finding that a tightly regulated pH and ORP (measurable anti-oxidant capability) provide the best drinking solution.

"Using Empowered Drinking Water, the objective is to increase the efficiency and health of the cow's rumen by adding a water that matches the pH and antioxidant rich rumen. With cows, the digestion of their feed is accomplished via a four chambered 'stomach'; the first chamber being the rumen, which is a complex organ containing enzymes and anaerobic micro-organisms, all living in an oxygen-free environment. Our studies have shown that healthy bugs react favorably to the alkaline drinking water which, in turn, makes a more efficient rumen, improving digestion and helping

maintain a healthier cow," explained Wade Bradley, President and CEO of EAU Technologies.

DPS's CEO, David Sumrall, was initially impressed with the early data. "We are a commercial dairy

farm and not a research facility," said Sumrall, "but even so, we were able to see significant differences in milk

production even in our less scientific environment. The cows drinking the treated water increased their daily milk production as well as the butterfat content of their milk. Obviously, both of these things directly impact daily revenue," he said.

DPS and EAU have reached and

agreement wherein a second unit will be installed on site and provide Empowered Drinking Water to the entire milking herd. "We have done our best to test the product and believe that there is a significant benefit to using EAU's technology. However, EAU is launching a strictly-controlled university project designed to more accurately identify and quantify the benefits of the technology, due in part to what we have seen in our field study. In the meantime, I am convinced enough from what I have seen that we want to employ the technology in the meantime," concluded Sumrall.

To learn more about EAU, visit their website at www.eau-x.com.



A look at the system at DPS - Georgia.



The EAU trailer.



President's Ponderings

David P. Sumrall

What do you want for Christmas? Oh, wait... To be politically correct, I can't say Christmas... But then again, no one has ever accused me of being politically correct, and by the way, I make no apologies for that.



During the most recent political season, I paid a lot more attention to what was going on than ever before. I am stunned at some of what I learned. What we as a nation will tolerate today is unbelievable. And the sad truth is that the very Constitution our forefathers labored over has been conveniently misinterpreted and maligned to the point that it has become the very tool that is used to force that "tolerance".

Give me a break... How many of you out there really believe that the guys who signed their names to the Constitution actually intended "freedom of speech" to mean that anybody can say anything? Or that it is politically incorrect for our children to start their day with school prayer and the Pledge of Allegiance? Or that it should be politically incorrect to say "Merry Christmas" but yet within the original intent of the Constitution that an atheist display erected next to a manger scene be upheld and defended under that same document? Everyone who believes all that hold your breath... I will breathe normally. There is no way our forefathers could have even remotely grasped the concept of secularism as it exists today.

We live in a very strange political environment today, and what I know now is that none of us are immune to it. We never have been. I just did not understand it like I do now. I would guess that I am not alone. I think there are a lot of people from my "baby boomer" generation that grew up in what I will quickly tell you were "the good old days" that identify with this.

I was a benefactor of many things that at the time I thought were the way life was for everyone. Today I know and understand it to be not that way at all. Today, I know that those things are blessings that I once-upon-a-time took for

granted, although innocently enough. And the fact is that because my political interest and acumen trailed other parts of my development, I may not have been as involved as I should have been along the way to make sure that some of what is important to me is preserved rather than disappear as a casualty of "political correctness". I am certain that some of you reading this understand exactly what I am trying to say.

The election is over. And there is no question but that things are changing. At its base, that has nothing to do with any election. Change, while it was played on as a catchy campaign slogan, is inevitable and was coming no matter who was elected to what office. And, great problems are present and must be dealt with no matter who won offices across this great land.

I am a common guy whose thoughts can be pretty simplistic for the most part and I don't pretend to be any smarter than anyone else. But I do know this. If the people to whom we have entrusted the very governance of our lives and the safeguarding of our freedom think that saying "Merry Christmas" is politically incorrect, we are in for a change that I cannot believe in or agree with. Bigger than that, if our leadership fails to honor the concept of "one nation, under God", then may God help us. We will get what we deserve, and I don't know about you, but I am very happy and thankful for the fact that I do not get what I deserve. I am blessed far beyond that, and it cannot be explained away by science or evolution.

So, back to that Christmas list. I hope you have one. Here's mine... I'm asking for more courage in standing up for what I believe and the ability to do so in a fashion that even my detractors would respect. Secondly, I'm asking for the wisdom to be more understanding of others who don't see something the same way that I do. Thirdly, I'm asking for the strength to always do the right thing, because it is the right thing to do and for no other reason. Finally, I am asking for a keen awareness of and sensitivity to the needs of others and the conviction to be of service in every situation wherein I have the capacity to make a difference.

Merry Christmas to all, and to all a Happy New Year.



Michael Pedreiro

1. What are the different classifications of mastitis according to our protocol book?
 - a. Toxic Mastitis
 - b. Routine Mastitis
 - c. Bad Mastitis
 - d. Both A & B
 - e. All of the above
2. Possible clinical signs of toxic mastitis are:
 - a. Hot, swollen, hard or painful quarter
 - b. High or low body temperature
 - c. Cow is depressed
 - d. Dehydration
 - e. All of the above
3. For all clinical mastitis cases, an aseptic milk sample is to be pulled and if growth is gram positive, then:
 - a. Treat with Pirsue™ for 3 days
 - b. Treat with Pirsue™ for 5 days
 - c. Treat with Pirsue™ for 8 days
 - d. Any of the above
 - e. None of the above
4. For all clinical mastitis cases that grow gram negative, have no growth or growth on both sides, then possible treatments would be:
 - a. Treat with Pirsue™
 - b. Don't treat with antibiotics but hand strip
 - c. Band infected quarter
 - d. Early dry or beef cow
 - e. B, C or D
5. The first thing done to cows that are found with clinical mastitis:
 - a. Herd records should be reviewed
 - b. Cows must be pulled to the hospital
 - c. Treat with antibiotics immediately
 - d. Cull or dry the cow
 - e. None of the above

Answers: 1.D, 2.E, 3.B, 4.E, 5.A

DPS Welcomes Pam Mercado

Carrie Pedreiro

DPS – Bell Farm would like to welcome Pam Mercado to the team as Office Manager! With the renovations in full swing at the Bell location, and plans to fill the farm back up with cows, the need for an Office Manager on site was apparent.



Pam received an Associate of Arts degree from Lake City Community College with the initial pursuit of a career in elementary education. Upon receipt of her degree, and after holding a few odd jobs, she found a position at the Bell location in 1992. Pam was the Office Manager on the dairy from 1992 until 1999. After she left the farm, she

was employed with Philman’s Custom Services where she performed office work, and later at the Water Plant where she worked in logistics, and then in the accounting department.

“The dairy and water plant positions were similar in that instead of cows and milk, I was dealing with trucks and water,” Pam said. “But I did not have a desire to learn more while at the water plant or learn how the plant operated,” she continued. “However, on the dairy, I always wanted to learn more and understand things such as how rations can increase milk production.”

Realizing the dairy was where she wanted to return, she did just that. “The people here were a big draw for me to return,” Pam said. “I love the diverse culture here at the dairy.”

Pam admits it has been challenging to get back into the swing of her position, but is enjoying being back. Welcome back, Pam and good luck in your new role!



Christmas Trees

Rick Hedrick

- When picking a tree check the needles. A tree too dry won’t tolerate the temperatures created by lights and other electrical decorations.
- Cut one inch off the bottom of the trunk to allow water to get to the branches.
- Water your tree every other day.
- Place your tree in a cool location away from any type of hazard.
- Check all lights and wiring before decorating your tree.
- After the holiday remove the tree from your home as soon as possible.
- **Have a Safe Holiday**



Quality CORNER

Rick Hedrick

Meeting our quality goals is a group effort that requires input from everyone. Sick or lame cows will affect quality. Utilizing the “Booker” or “Cow Pusher” to help identify those cows is a great way to catch them sooner. They are the people that see every cow move from the pen to the parlor. They will notice if something is not right.

October Bonus Awards

Bell

Quality, Production

Branford

Quality, Production

Mississippi

Quality, Production, Herd Turnover

New Frontier

Production, Herd Turnover

New Dairy Managers for Florida

Carrie Pedreiro

AJ Pedreiro and Mario Soto have been promoted to provide key leadership in Bell and Branford. AJ will now assume the role of Dairy Manager for DPS - Bell Farm, while Mario will move from Parlor Supervisor to Dairy Manager for DPS - Branford Farm.

“These changes will provide the crucial on-site management we need at each location,” Michael Pedreiro said. “Each man will assume the management duties for their location, and provide the attention each operation needs in its day-to-day activities.”

Congratulations to AJ and Mario!

Pedreiros Welcome a Son



Noah James Pedreiro was born November 13, 2008 at 12:36 am. He weighed in at 8 pounds, 11 ounces and was 21 inches long. His proud parents are Michael Pedreiro, VP and Chief Operating Officer, and Carrie Pedreiro, *Moosletter* Editor.

Noah was welcomed home by his big sister Madison! Welcome to the world Noah!

MERRY CHRISTMAS



QUALITY MILK & MANAGEMENT SERVICES

Anniversaries

Corporate

Massoud Ghadiani, 8 years
Rick Hedrick, 4 years

Bell

Roy Crews, 5 years
Manuel Vasquez, 11 years

Branford

Abidan Roblero, 2 years
Jose Romero, 6 years

Georgia

Oscar Chavez, 1 year
Ferando Gallardo, 2 years
George Glass, 1 year
Ricardo Guzman, 7 years
Sylvestre Quintana, 2 years

Mississippi

George Craft, 5 years
Evil Lopez-Reyes, 5 years
Chase Nicholson, 1 year
Roy Phillely, 5 years
Natalye Reed, 5 years
Gerardo Soto, 2 years
Velma Shelby, 5 years
Rhonda Wood, 5 years

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Birthdays

Corporate

15 Kimberly Potts

Bell

3 Felino Velasquez
9 Jose Luis Vasquez
11 Pam Mercado
15 Maria Jimenez
16 John Fowler
29 Thomas Kircher

Branford

18 Mario Soto
20 Jose Martinez
24 Jorge Hernandez

Georgia

3 Leija Rodolfo

Mississippi

1 Gerardo Soto
7 Chase Nicholson
12 Emanuel Roda

New Frontier

2 Miriam Figueroa
3 Francisco Lopez
5 Abram Olvera
9 William Rayborn
10 Gregorio Olvera
12 Juvenal Caballero
14 Porfirio Anaya
28 Francisco Cortes

Our Mission:

To provide an atmosphere and the resources to enable our people and our cows to be the leading, most efficient producer of milk in the nation.

New Hires

Bell

Dany Rosa
Ronaldo Granados

Georgia

Angel Carrillo

New Frontier

Daniel De Leon
Aracely Garcia
Oscar Sanchez

Bell Renovations Update

Carrie Pedreiro

Construction continues to progress at DPS - Bell Farm. Two barns are currently up, with one barn complete with headlocks, freestalls, and sand bedded. The completed barn is expected to have cows move in later this month.

Keep looking to the Moosletter for more updates.



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