50th Anniversary Past President’s Dinner

By Michael Theriault, Wright-Pierce

The Association would like to congratulate all Past Presidents for their hard work and dedication to the industry.

With low tide near and the nostalgic smell of the nearby salt marsh creek on a chilly Friday October 14, the NHWPCA hosted a dinner for all Association past presidents at Brown’s Lobster Pound in Seabrook. In 1968, one year after the Association was established, Brown’s had served as a meeting location for the Association and it seemed most appropriate for the honoree dinner. 50th Anniversary pins were unveiled and provided to each of the 22 past presidents in attendance, with plenty of opportunities to capture individual photos and group shots. The dinner celebrated the hard work of the attending past presidents, those who could not be present, and the dearly departed ones who helped pave the way for our generation. It was a vibrant social atmosphere allowing these individuals to exchange hugs, hand-shakes, war stories, and reminisce fond memories of their careers. All left with plump tummies after being treated to a delicious traditional lobster bake dinner of lobster, steamers, clam chowder, corn on the cob, fries and onion rings. Some brought spouses, family or other loved ones and all became heartily engaged in conversation. Restaurant goers on looking the celebration were treated with smiles and education about who the Association was, the history and the difference that these individuals made to the betterment of the environment. One of Brown’s picnic tables was spread with

(Continued on page 1)
Editor’s Words

Part of this editor gig that I’m doing here involves reviewing past issues of this newsletter. In the Summer 2014 edition, we had an interesting article about UNH’s Peebus. I got to wondering if this senior capstone project had continued and if the Peebus was still collecting nitrogen donations on campus. Luckily, I happen to have a UNH student in my home who is taking a full course-load of engineering classes this semester. My son told me that the Peebus is still discussed in engineering classes as an example of a successful senior capstone project. The bus is parked and the project isn’t continuing but there was a lot of success. The goal of the project was to educate college students to think beyond the flush and learn about how their nitrogen-rich urine could be diverted from the WWTF and used as fertilizer. The Peebus was parked at a well-traveled campus crossroad between 11 pm and 1:30 a.m. on four weekends to collect donations and educate students. More than 200 students visited the Peebus on each of these weekends and a lot more learned about it via word of mouth and social media.

A common theme you should be noticing as you read through The Collector each quarter is that the field of wastewater treatment is being talked about more and more in a positive way. As our association approaches its 50th anniversary it is obvious how much we’ve grown up in the past years. Our new technology is amazing – and not just to us wastewater geeks. More and more people are educated about why they shouldn’t flush wipes and grease and prescription drugs down their toilets. We introduce ourselves PROUDLY as wastewater treatment professionals instead of quietly saying what municipality we work for. (I like to say that I’m part of a team of five talented individuals who treat ALL the wastewater in the City of Somersworth). We are not Art Carney from The Honeymooners anymore but important ambassadors for the environment!

Stephanie, Somersworth WWTF

Upcoming Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 9, 2016</td>
<td>NHWPCA Winter Meeting at the Dover, NH WWTF.</td>
</tr>
<tr>
<td>March 8, 2017</td>
<td>NHWPCA Legislative Breakfast in Concord, NH.</td>
</tr>
<tr>
<td>March 24, 2017</td>
<td>NHWPCA/MEWEA Ski day at Attitash Resort in Bartlett, NH.</td>
</tr>
<tr>
<td>April 6, 2017</td>
<td>NHWPCA Trade Fair at the Executive Court in Manchester, NH.</td>
</tr>
<tr>
<td>June 23, 2017</td>
<td>NHWPCA 50th Anniversary Celebration at the Hampton South Beach Pavilion in Hampton, NH.</td>
</tr>
<tr>
<td>September 15, 2017</td>
<td>NHWPCA Fall Meeting at the Manchester, NH WWTF.</td>
</tr>
<tr>
<td>September 30, 2017</td>
<td>WEFTECH at McCormick Place in Chicago, IL.</td>
</tr>
<tr>
<td>December 8, 2017</td>
<td>NHWPCA Winter Meeting at the Newmarket, NH WWTF.</td>
</tr>
</tbody>
</table>

Special Thanks to this Issue’s Contributors
Michael Theriault, Kurt Robichaud, Noelle Osborne, Patricia Chesebrough, Stephanie Rochefort, Steve Clifton, Andrea Martel, Kevin MacLean and Alyssa Schuren.

NEWSLETTER COMMITTEE
Stephanie Rochefort, Todd Gianotti, Mary Jane Meier, Steve Clifton, Gene Weeks, Kurt Robichaud. We welcome additional members. We are looking for meaningful articles for the Wastewater Operator in a timely fashion. Send submission articles for THE COLLECTOR to: Stephanie Rochefort via email at srochefort@somersworth.com.

Printed by
155 River Rd. Unit 15, Bow, NH 03304 - 603-225-5329 - evansl@evansprint.com
historic Collector newsletters from the past few decades including articles featuring Bruce Kudrick’s (1985) and celebrations of an Operations Challenge recent victory whose team included Ken Kessler (1994).

Chuck Conway delivered a keynote speech on his career from college, Vietnam, the Army Corp, EPA and NEIWPCC. When Chuck first began his career, he explained that his first assignment involved environmental assessment and documentation of the Merrimack River, where southern portions occasionally reflected a blue, green or purple hue from the discharge of all the industries upriver. He enlightened the crowd by explaining how the Army Corp’s plan to land apply Boston biosolids to most of Southern New Hampshire was curbed during the formation of the EPA and expansion of the Clean Water Act in the early 70’s.

The celebration dinner was widely a success and a good time had by all. The association would like to thank all of the volunteers who help make the dinner a success including Peter Goodwin, Kevin MacLean, Charlie Tyler, the NHWPCA Board of Directors and the NHWPCA 50th Anniversary Committee.
Blurbs, Blurbs and More Blurbs

NHWPCA 50th Anniversary Apparel and Promotional Items
by Michael Theriault, Wright-Pierce

How does the Association provide members with quality limited edition 50th Anniversary apparel without ending up with a large burdensome invoice, annoyingly over soliciting sponsors, and curbing a surplus of size small at the end of the year?

Beginning at the 2016 NHWPCA Winter Meeting in Dover, sample apparel will be available for viewing and ordering. Pull over fleeces, hoodies, polo shirts, vests, and winter hats, all embroidered with the 50th Anniversary logo. Members will be able to get their hands on this gear by submitting a hardcopy order form to the Association or by going online. The Association will have orders fulfilled quarterly. Individuals will be able to pick and choose only the apparel desired, sizes, and even color preferences. Polos and hoodies will be available in men’s and women’s fit. During select 2017 NHWPCA events, the Association will be providing attending members with giveaway promotional items such as Anniversary pins, coffee mugs, t-shirts, pint glasses, and more thanks in part to individual and corporate sponsorship of the Anniversary events. If you or your company is interested in becoming a sponsor of the upcoming events, promotional items, or the Association in general, please email mike.theriault@wright-pierce.com or call at 603-606-4435.

Embroidered 50th Anniversary Logo

2017 Joint NHWPCA and MEWEA Ski Day: Weekend Vacation
by Michael Theriault, Wright-Pierce

To celebrate the NHWPCA’s 50th Anniversary, the 4th Annual joint NHWPCA and MEWEA ski day has been moved across the border from Maine to New Hampshire and will be held on Friday March 24, 2017 at the Attitash Mountain Resort in Bartlett, NH. Attendees will enjoy a fun filled day on the slopes of Attitash and Bear Peak, devour some lunch at the Grand Summit, and unwind after with an Après Ski social. For individuals, families, or groups interested in a longer weekend retreat, the NHWPCA has negotiated discount overnight lodging and lift tickets for the remainder of the weekend. On Saturday March 25, Attitash will be celebrating the 80’s so be sure to pack some neon. On Sunday March 26, children under 18 pay their age for lift tickets. Tired of Attitash after a day or two? No problem! Take your lift ticket a little North up to Wildcat Mountain for some more challenging terrain. You could even mix it up by doing a half day at each mountain. Additional details and registration to follow.

Another Successful Fall Meeting
by Kurt Robichaud Chief Operator Henniker WWTF

This year’s fall meeting was held on Friday September 16th at the Lebanon N.H. WWTF. Association members and guests were treated to an outstanding tour of the WWTF provided by plant staff and engineers from Underwood. After the tour a presentation and dinner was enjoyed at the Fireside Inn and Suites. Hours of coordination and work goes into organizing these meetings and would not be possible without all the hard work that goes on behind the scenes. Thank you to the staff at the Lebanon WWTF:

Mike Lavalla public works director, Jay Ciarelli assistant public works director, Don Schagen WWTF superintendent, Chris Cairdelli assistant WWTF superintendent, Tom Carter Chief mechanic, Dan Knox Operator. And from Underwood Engineers, Steve Clifton P.E. and Valerie Giguere Project manager for Underwood Engineers. And last but certainly not least, The Fireside Inn and Suites for providing us with a great meal and environment for the business portion of the day.

A Note from the Treasurer, Noelle Osborne

Happy Fall! The association has hosted a couple of great events to report on. The Golf Tournament back in August was a big success, as usual, special thanks to Fred McNeil for all his hard work every year on this event. The association made $2902 in profit at the tournament. This income the association brings in helps to pay for operating expenses, our ops challenge team, sponsorships/donations, scholarships, our poster contest and so much more! Thanks all for your continued support!
In Honor of Tom Croteau
The New Hampshire Department of Environmental Services participates in the “2016 Pedaling For Payson”

A long-time member of the NH Department of Environmental Services, Tom Croteau, lost his fight with cancer on Aug. 26, 2016. Tom was widely familiar to many in the NH wastewater operator community mainly because of his service as a compliance inspector for DES. He was known forcorrecting practices at the facilities that he visited regularly but also was more than willing to offer tips to help operators learn. Tom had many years of hands-on operational experience first at the Penacook, NH plant and then as the operations supervisor at the state-owned Winnipesaukee River Basin facility in Franklin. He eventually took over the industrial pretreatment program in Franklin before transferring to the compliance section in the Concord NHDES office.

Tom began his career as a graduate of a Manpower training program that was developed in response to a growing need for competent employees in a new and rather unusual industry – the world of wastewater treatment. The federal Clean Water Act of 1972 set in motion a need for personnel to work at secondary wastewater treatment facilities that were necessary and were being constructed to comply with the new discharge regulations. In 1973 Tom received a Manpower scholarship and enrolled in the certificate program at Southern Maine University that was geared toward training new treatment plant operators. There were several candidates throughout New England that took advantage of this program. Tom was a member of one of the early graduating classes in 1974 that had roots in New Hampshire. This was an intensive one year program held in South Portland, Maine. Students lived on campus and were immersed in a broad spectrum of course work that was geared toward preparing the students for direct employment upon graduation at one of these new facilities. Tom learned well and embraced the wastewater business fully. Tom joined the staff of the Penacook treatment facility after graduation and his career path was set in motion.

Outside of work, Tom enjoyed hunting and fishing and was quite a Mr. fix-it at home. He was comfortable with woodworking and building and mechanics and would willingly help out friends and neighbors with projects that were in his domain of expertise.

Tom was looking forward to a long retirement with his family. Unfortunately, it was not meant to be. He was discovered to have a particularly virulent strain of cancer shortly before he retired from DES. His year of retirement was consumed with a fight to overcome the condition. He had rounds of chemotherapy and radiation treatment. Despite the uncomfortable repercussions of these treatments, Tom was able to spend precious time with his family. He would relay to us at DES descriptions of the good times that he enjoyed at holiday and vacation time altogether with those closest to him.

This fall, members of NHDES as well as several other friends formed a team of bicycle riders to participate in the “Pedaling for Payson” fundraising initiative in memory of Tom. Monies raised by this event support the Gene Gillis Fund. The Fund was established to specifically support out-of-pocket expenses for patients in need at the Concord Hospital, Payson Center for Cancer Care. Since its Inception in 2006, the Gene Gillis Fund has provided relief to more than 550 patients in need by providing nearly $50,000 each year in support through gifts of gas cards, groceries, nutritional supplements and other items to improve the quality of life for patients dealing with cancer. The Pedaling for Payson event has grown in recent years to allow additional support to cancer patients in the form of a nurse navigator to help them through the potentially overwhelming and scary world of cancer treatment.

Team DES riders were able to amass a collective amount approaching $8,000 to benefit the Payson Center.

The day was beautiful and the courses challenging but the effort was minor compared with what Tom faced over the final year of his life. One thing is for certain Tom would certainly approve of the efforts of all riders involved in this worthy cause.

We thank Tom for his dedication and contributions to the brotherhood of wastewater operators.

Team DES consisted of: Captain, Sharon Rivard, Jeff Andrews, Dolly Courtemanche, Lynn Durand, Leo Gaudette (Merrimack WWTF), Jayne Golde, Sheila Heath, Ken Kessler, Pam Kilburn, Grace Levergood, Jo-Ann Peterson, David Rosengarten, Linda Selesnick, Jon Shannon, Mark Thomas, Raymond Walters, Robert Wardell.
SAFETY CORNER
Are Your Operators Heading Into A Snow Plowing Season? Keep Them Safe

by Patricia Chesebrough, PE; NHWPCA Safety Committee

Many wastewater operators in New England, especially in small towns, also assist with their community’s winter road plowing and deicing. The long hours and overnight shifts associated with this added responsibility can cause fatigue and significantly impact the operator’s ability to properly and safely perform his/her daily job functions. Fatigue is affected by multiple factors:

- Biological time of day – what shifts you work (circadian rhythms or “internal clock”)
- Consecutive waking hours – how many hours you work
- Nightly sleep duration – how many hours you sleep
- Sleep inertia – how long it takes you to be fully awake (mentally)

Three of these are common during our typical winter plowing operations, which explains why plowing impacts our performance.

Comparing Sleep Deprivation to Intoxication

One of the symptoms of sleep deprivation is a loss of motor skills. There have been a number of studies regarding behaviors when sleep deprived to those when intoxicated. One article (Dawson & Reid, Nature, 1997) concluded:

- After 19 hours of sustained wakefulness, cognitive psychomotor performance decreased to a level equivalent to the performance impairment observed at a blood alcohol concentration of 0.05%.
- After 24 hours of sustained wakefulness, cognitive psychomotor performance decreased to a level equivalent to the performance deficit observed at a blood alcohol concentration of roughly 0.10%.

We all know that the more intoxicated you become, the less you are able to judge your own level of intoxication. Sleep is no different. The more chronically sleep-deprived you become, the more incapable you are of assessing your level of alertness. In other words, just like the cliché states, “you’re too tired to know better.”

Sleep Deprivation Affects More than Just Job Performance

A study of Medical Interns showed that sleep deprivation impacted more than just performance while on the job. For each extended duration work shift scheduled per month, interns had as high as a:

- 15% increase in monthly risk of any Motor Vehicle Crash
- 25% increase in monthly risk of a Motor Vehicle Crash on the commute from work

Are You Sleep Deprived?

There are a number of signs of sleep deprivation. Be watchful for these signs in your coworkers:

- You're always hungry
- You've gained weight
- You're more impulsive
- Your memory's shot
- Your motor skills are off
- You're having trouble making decisions
- Your emotions are all over the place
- You get sick often
- You're having trouble seeing
- Your skin isn't looking good
- You think you've fallen asleep at the wheel

Commercial Driver’s License (CDL) Requirements

Recognizing the dangers of sleep deprivation, the Federal Motor Carrier Safety Administration set forth specific requirements to restrict work hours and mandate breaks for CDLs. Depending upon the nature of the plow trucks owned by the community, drivers may need to comply with these requirements. For more information, see: https://www.fmcsa.dot.gov/newsroom/new-hours-service-safety-regulations-reduce-truck-driver-fatigue-begin-today.

Reducing Sleep Deprivation

Some ways to reduce sleep deprivation:

- Reduce the duration of continuous-duty work shifts. Allow sleep breaks/naps. This reduces acute sleep deprivation.
- Avoiding consecutive overnight shifts. Allow 24 hours off for recovery after each overnight shift. This reduces chronic sleep deprivation.
- Avoid early starts on the day after a long day shift. This reduces chronic sleep deprivation.
- Encourage naps several hours before overnight shifts. This prevents acute sleep deprivation and the longer term buildup to chronic sleep deprivation.
- Implement other fatigue countermeasures (e.g., caffeine, light) Maintain good sleep health and hygiene

(Continued on page 6)
It’s been a couple of years since I’ve shared any of my thoughts on pH measurement. Obviously I think about pH a lot since it’s a requirement of our NPDES permit to measure effluent pH daily. Or maybe I take it for granted a bit until I start explaining to a new acquaintance about weekend/holiday duty and talk about all the checks that we do on a daily basis to remain in compliance. Sometimes I don’t get all the way to talk about lab testing on weekends/holidays before the new acquaintance’s eyes glaze over. Yup, it’s a fine line between talking proudly about my job and realizing when to shut up – you think?!?

Since we’re heading into the 50th anniversary of our association, it seems like a fine time to take a look at the history of this simple test that we all do on a daily basis. Here’s some interesting information from Wikipedia:

“The concept of pH was defined in 1909 by S. P. L. Sørensen, and electrodes were used for pH measurement in the 1920s.[8]

In October 1934 Arnold Orville Beckman registered the first patent for a complete chemical instrument for the measurement of pH, U.S. Patent No. 2,058,761, for his “acidimeter”, later renamed the pH meter. Beckman developed the prototype as an assistant professor of chemistry at the California Institute of Technology, when asked to devise a quick and accurate method for measuring the acidity of lemon juice for the California Fruit Growers Exchange (Sunkist). On April 8, 1935, Beckman’s renamed National Technical Laboratories focused on the making of scientific instruments, with the Arthur H. Thomas Company as a distributor for its pH meter.[9]:131–135 In its first full year of sales, 1936, the company sold 444 pH meters for $60,000 in sales.[10] In years to come, it would bring in millions.[11][12]

Radiometer in Denmark was founded in 1935, and began marketing a pH meter for medical use around 1936, but “the development of automatic pH-meters for industrial purposes was neglected. Instead American instrument makers successfully developed industrial pH-meters with a wide variety of applications, such as in breweries, paper works, alum works, and water treatment systems.”[8] In 2004 the Beckman pH meter was designated an ACS National Historic Chemical Landmark in recognition of its significance as the first commercially successful electronic pH meter.[10]

In the 1970s Jenco Electronics of Taiwan designed and manufactured the first portable digital pH meter. This meter was sold under Cole-Parmer's label.”

Now that it’s 2016 (almost 2017) there are a LOT of choices for pH electrodes. It’s hard to find an electrode that isn’t a combination electrode anymore so at least that isn’t a choice. But, there are epoxy or glass bodies. There are single junction or double junction. There are sealed or re-fillable electrodes. And don’t forget that you’ll need an ATC probe if that isn’t included as part of your electrode. Each manufacturer of electrodes has their own handy chart to help you decide, but here are some hints that I’ve learned after trying most of the varieties of pH electrodes out there:

1. I’ve used (and broken) both epoxy and glass bodied electrodes. Obviously the epoxy bodies are more durable. Glass bodies are supposed to be able to withstand higher temperatures and more corrosive samples if that is an issue. I like to pick an electrode with some protection around the glass bulb at the bottom because that is the part most likely to break.

2. The single versus double junction choice isn’t really a choice. Single junction electrodes are cheap and only good for clean water samples. That’s not what we do!

3. It used to be that sealed electrodes were not a good choice because they had a shorter lifespan and were not as accurate. If you can budget to replace your electrode on an annual basis then this is now a wonderful choice because there is no maintenance required on these durable electrodes and you’ll get consistently good results even with a lot of different people running samples. During the years when these were not good electrodes I switched to a refillable electrode and I’m still happily using that kind of electrode today.

4. This is the most important hint! Follow manufacturer’s recommendations on the care of the electrode that you choose, use fresh buffers to calibrate every day and don’t think that you should be using a certain electrode just because your next-door neighbor treatment plant loves it – they really are site-specific.
- Develop sleep health education programs
- If severe, recommend screening for sleep disorders (e.g., sleep apnea, insomnia, shift-work sleep disorder, narcolepsy, Restless Legs Syndrome, etc.)

Be sure to consider these measures as you move into the plowing season. Protecting sleep improves job performance, health, and safety.

The NHWPCA Safety Committee is pleased to have brought you this article in the absence of any Near Miss incidents on which to report; however, we still really want to hear about your Near Misses. Please send Near Miss stories, or requests for other safety topics you want to see, to Patty Chesebrough (chesebroughp@wseinc.com or 978-532-1900). All reports are confidential.

Please be safe everyone!

(Continued from page 4)

Water & Wastewater Operators are Public Ambassadors

With the news shining a spotlight on situations like in Flint, Michigan, or events like PFOA contamination in North Bennington, or the new state and federal water quality laws and requirements, your work has never been so important – and potentially never so public.

Over the last few years there has been an intense dialogue on clean water that has resulted in the Vermont Clean Water Act (Act 64), the combined sewer overflow notification bill, a simplifying of our clean water loans and grants, and the Lake Champlain TMDL.

During this time, I have witnessed your jobs become under increasing public scrutiny.

Now, it has always been the case that people hear about your work when something goes wrong. I want to make sure that you know that I know that there are hundreds of quiet days where things are going right.

And now, with more high profile water and wastewater issues in the news, your jobs are thrown into the public dialogue and into the public arena to a much greater degree.

You have become public ambassadors for clean water. Some of you embrace this role. Others do not. But the fact is that when there is a drinking water or wastewater issue, your communities look to you for answers.

As someone who has been doing a great deal of crisis communications over the last few months, surrounding the PFOA contamination in North Bennington area, I encourage you to embrace the role, if you have not yet done so, and draw the community members into your work. That is how they will understand what you face every day, they will better understand your decisions, and will become your advocates for the resources that you so desperately need and that we all need you to have.

Infrastructure Needs

We know that we have major infrastructure needs. We have one pipe in the City of Rutland that we put into the ground two years before President Lincoln took office. The Vermont Section of the American Society of Civil Engineers gave Vermont’s infrastructure a C grade, compared to D+ nationally.

Though we are slightly ahead of the national trend, we know that our drinking water systems, wastewater facilities and roads all need meaningful investment.

And we know that these investments are very expensive. You are managing our infrastructure, faced with challenging odds, under intense public scrutiny, and by-and-large, are succeeding.

In sum

We at the Department deeply appreciate your work.

We know that you are asked to do a lot with little, and that you are increasingly in the spotlight.

And you can count on us to push for resources for you and to provide technical support along with the way.

We are at a point in this country – with lead in Flint, Michigan’s water, PFOA found in Vermont and many other states, and major clean water requirements on the horizon – where the public is thinking about our infrastructure and clean water needs. As ambassadors, you can advocate for greater investments.

Let’s work together to harness that awareness into results.
Stinky Hunters
By New Hampshire Fish and Game Department
(reprinted with permission from September/October 2016 Wildlife Journal)

Early one morning during the waterfowl hunting season, CO Graham Courtney received a call from the Exeter Police about hunters shooting in close proximity to the water treatment plant. When he arrived, the warden could see motion along the edge of one of the cesspools. A look through his binoculars revealed that the movement was motorized duck decoys with rapidly spinning wings, set up in the sewage pond. As he looked closer, he also observed several stationary decoys along the edge of the water. The warden got out of his truck for a better look and was immediately taken aback by the strong smell of sewage.

Before long, some ducks flew in, and as they began to descend, shots rang out from a group of bushes between the access road and the pools. A hunter emerged, dragging a small kayak. He slid the kayak into the sewage pond and began to paddle out.

The warden decided it was time to make contact, so he drove down the access road toward the bushes from which the hunters had shot. Several hunters emerged, and the warden asked how their morning was going. They said the hunting was good, and that they had had some success. After checking licenses and guns, the officer motioned for the man in the kayak to return to shore. He then informed the group that this area was town property and workers would soon be arriving, so it was not a suitable place to hunt.

The group agreed and began to pack up. The warden couldn’t help but ask how they had decided to go duck hunting at a sewage treatment facility. One of the hunters said he had always seen it from Route 101, and the pools were usually full of ducks. The officer had to laugh as he inquired whether or not the smell bothered them. One hunter said, “We don’t mind, and the ducks don’t seem to, either!”

The group was given warnings for trespassing and the warden recommended that they wash the ducks before eating them – and maybe give the kayak a rinse, too.

Obituary
Author unknown

Today we mourn the passing of a beloved old friend, Common Sense, who has been with us for many years. No one knows for sure how old he was, since his birth records were long ago lost in bureaucratic red tape. He will be remembered as having cultivated such valuable lessons as:

Knowing when to come in out of the rain; why the early bird gets the worm; Life isn’t always fair; and maybe it was my fault. Common Sense lived by simple, sound financial policies (don’t spend more than you can earn) and reliable strategies (adults, not children, are in charge).

His health began to deteriorate rapidly when well-intentioned but overbearing regulations were set in place. Reports of a 6-year-old boy charged with sexual harassment for kissing a classmate; teens suspended from school for using mouthwash after lunch; and a teacher fired for reprimanding an unruly student, only worsened his condition.

Common Sense lost ground when parents attacked teachers for doing the job that they themselves had failed to do in disciplining their unruly children. It declined even further when schools were required to get parental consent to administer sun lotion or an Aspirin to a student; but could not inform parents when a student became pregnant and wanted to have an abortion.

Common Sense lost the will to live as the churches became businesses; and criminals received better treatment than their victims.

Common Sense took a beating when you couldn’t defend yourself from a burglar in your own home and the burglar could sue you for assault.

Common Sense finally gave up the will to live, after a woman failed to realize that a steaming cup of coffee was hot. She spilled a little in her lap, and was promptly awarded a huge settlement.

Common Sense was preceded in death by his parents, Truth and Trust; his wife, Discretion; his daughter, Responsibility; and his son, Reason.

He is survived by his 4 stepbrothers; I Know My Rights, I Want It Now, Someone Else Is To Blame, and I’m A Victim.

Not many attended his funeral because so few realized he was gone.
Meet the NHWPCA Board Round 2

Andrea Martel
2017 NHWPCA Board Position: Past President
As you advance to the next level on NHWPCA’s Board of Directors, what do you want to address/accomplish in 2017? I would like to continue improving the budget cycle and overall process of how money both incoming and outgoing is handled.

How do you introduce yourself or describe your job to others? Taking on a new role outside of the wastewater field will be a challenge since the past 10 years have been dedicated to improving the collection system.

What’s on the top of your Christmas Wish List? Taking my family on a Disney Cruise Line to the Bahamas.

Kevin MacLean
2017 NHWPCA Board Position: President
As you advance to the next level on NHWPCA’s Board of Directors, what do you want to address/accomplish in 2017? I would like to see the Board continue to become more cohesive and I would like to learn why approximately 50% of NH licensed wastewater operators are not members of this association.

How do you introduce yourself or describe your job to others? It truly depends on the audience at hand but the common things I try to convey is that “we” are the ones that do the work no one else would. We are guardians of the environment and public servants that do not get the recognition or comparable pay as the folks with the fancy uniforms and flashy lights.

What’s on the top of your Christmas Wish List? The ability to travel the world and see all the wondrous places before we trash it all beyond our ability to repair.

Kurt Robichaud
2017 NHWPCA Board Position: 1st Director
As you advance to the next level on NHWPCA’s Board of Directors, what do you want to address/accomplish in 2017? I would like to see more membership as well as increased membership participation.

How do you introduce yourself or describe your job to others? I usually tell people that we make dirty water clean. If they want more detail I provide it. Some find it interesting some don’t.

What’s on the top of your Christmas Wish List? Trip to Daytona in February for the Daytona 500. Please, please!!

WWTF Energy Puzzle

MOP
DEMAND
NITRITATION
POWERFACTOR
SURCHARGES
VOLTAGE
AMPERAGE
KW
KWH
KVA
VFD
PUMPING
AERATION
HEATING
SOLAR
LIGHTING
METHANE

DDGUPMODYWNWERDX
GNCNDSEXSGNIPMPUP
XAIPABWNBFXSPVD
ZAEBTUUKPGESYG
YJYRRGAVOLVEJEY
HUPIAJIDEZCIVRMP
HRXOGTSHUPDAKOON
NWZVEIAGNITHGIL
GOKRFEGOTWULCOQC
OLZRADRANIZHRRKZ
OMLAFLKFV OA UHTTV
HBKHNOQAENSHRHH
ARTVYSTSECPTWVKS
IZCEGMYCFVTMVVDC
METHANEDMFGOALK
PDSOYMDEMANDRANB
Happy New Year