The Perspective

May 2005
Volume 3, Issue 2

MacDonald-Miller Facility Solutions Employee Newsletter

In This Issue

Jack of All Trades, Master of Many

Steve Lovely, Exec. VP Operations

As it says in our name, MacDonald-Miller Facility Solutions, we offer "facility solutions." Along with our womb-to-tomb mechanical services, our carpentry group under supervision of **Stephen "Fish" Cox** provides many of the miscellaneous services needed to provide total facility solutions.

Whether you are part of the sales staff, the project management group, or in our field crew, be looking for opportunities for this group to assist you and provide more services to our customers.

Fish is available to provide creative solutions, estimating and scheduling. You can contact him directly at 206.391.0780 or through Sandie in Service Coordination at ext. 3926.

See page 3 for a list of services performed by the carpentry group.

MacMiller Powers the New Navy

Ed Adams, Account Manager

On December 15th of 2004, MacDonald-Miller Facility Solutions provided a proposal to the Port of Everett and a subtenant of theirs, Nichols Brothers Boat Builders, to supply power for a new ship for the US Navy. The requirements for the new ship called for 800 amps of 480-volt 3-phase power to be supplied to the ship and 300 amps of 480-volt 3-phase power to be supplied for trailers and shore power to support the new boat while it is being completed and readied for delivery. The contract was signed on December 27 and the boat was to arrive on February 8. The short timeline caused some sleepless nights, but in the end turned out to be no problem for the talented MacMiller staff.

The ship, X-Craft, is a new prototype that the US Navy is putting into service. It is a 280' long catamaran with an operating speed of 70 knots. As part of the carrier fleet, it will have many uses such as offering support for carrier based helicopters and serving as a launch site for unmanned drones.

The available power on the dock was 200 amps at 12,470-volts and was more than 200 feet away from the location of the ship. This presented plenty of problems to overcome.

The first of which was that the Port had no as-built drawings of the docks, existing electrical or other utilities in the area. With a road/dock crossing as the only way to get the power started in the necessary direction, there was no telling what troubles lay

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"He is happiest who hath power to gather wisdom from a flower."

– Mary Howitt

The New Navy continued from page 1

below the surface. A locating company was called to help determine the best routing of the underground conduits and a saw cutter was hired. The information available for the construction of the crossing area stated that there would be 3" of asphalt over the top of 18" of dirt before the pre-stressed concrete slab. This would make it an easy project if it were only accurate. With the saw cutter and an excavation company standing by, **Mark Klug**, **Fish** (a.k.a. **Steve Cox**), **Chris Matson** and **Keith Beckland** started to remove the first layers of asphalt. Some areas proved to be 21" of blacktop and others were blacktop covering concrete. Along the way an abandoned utility tunnel was uncovered just 10" below the surface. With electrical codes requiring PVC pipe to be covered with a minimum of 24" of dirt and encased in concrete, depth had become a problem. A variance was requested from the City of Everett and was granted. The new plan would be an IMC conduit within 4" of the surface and encased in a red dyed concrete. With the road crossing complete the fun was just beginning.

The next problem was that with the available voltage, a utility transformer was needed to reduce the voltage and a distribution panel was also required to separate the loads. With the help of PUD and Gary Gerber from Gerber and Vail Engineering, a transformer was selected and a distribution panel was designed. With the job's specific needs, North Coast Electric Supply provided a custom-made distribution panel from Siemens in Texas. The utility, PUD, located a transformer and had it ready and stored for the project in their holding facility in South Everett.

The next challenge presented itself in the form of the transformer itself. Most transformers of this size are installed on the ground with a vault underneath to allow for the conduit and wire entry. With this situation, being on the edge of a dock, there was no underground area for a vault to be installed. A 10" thick concrete slab would need to be poured. Again with the help of Fish and the "tackle box crew" of Chris and Keith, the pad was formed and poured. During the installation of the concrete pad, Mark Klug began connecting a series of conduits and junction boxes together for the extension of the circuit along the bulkhead.

When the conduits and pad were complete, **Mike McGivern** supplied Mark Klug with more man power to pull the high voltage wire. Mark, along with **Dwight Oylear** and **Jerry Nelson**, pulled the cable along the dock and under the road to get the project ready for a subcontractor to terminate the cable. Sequoyah Electric provided the cable splicers and had the job completed in a couple of days.

The next hurdle was getting the transformer delivered and installed. The utility will install a transformer on their own projects, but on a project that is dealing with customer owned utilities, the contractor becomes responsible for handling and delivery of the transformer. With guidance from **Larry Harbison**, Ness Crane was contracted to lift and transport the 11,000 pound unit from the yard to the site.

Upon completion of the terminations and

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Jack of All Trades continued from page1

SUMMARY OF PROJECTS PERFORMED IN '04

- Structural upgrades
  - Tilt up walls
  - Trusses & roof beams
  - Concrete Pads
- New Construction and Large Residential Remodels
- Commercial and Residential Remodels
  - Retro fit windows
  - Exhaust air containment curtains (over existing mechanical)
  - Set up office furniture
  - Partition walls (move or new)
  - Cut in doors
  - Built and repaired plans tables
  - Cut holes in walls, floor, ceiling/roof (HVAC)
  - Install safety bollards around equipment
  - Set up scaffolding in difficult conditions
  - Built temporary job shacks
  - Demo most any structures internal or external
  - Fixed leak in septic tank
  - Removed cooling tower
  - Cut holes for extraction of equipment
  - Stairs
  - Ductwork clean up
  - Install bird netting over units
  - Privacy fences
  - Sidewalks
  - Hand digging
  - Project estimating

BUILDING MAINTENANCE

- Trace leaks
- Repair tile
- Repair cabinets
- Water damage
- Fire damage
- Vandalism repairs
- Fix locks and hinges and doors
- Hang pictures
- Hang shelves
- Build plans boxes
- Assist other trades in prepping for their work (trenching, carpentry etc.)

Carpenters, L-R: Keith Beckland, Chris Matson, Stephen "Fish" Cox, and Anthony Cox.

ITEMS WE SUBCONTRACT THROUGH OTHERS

- Saw cutting
- Excavating
- GWB (drywall)
- Ceiling grid
- Painting
- Asphalt
- Fencing
- Carpet – vinyl – tile – countertops
- Roofing

ITEMS WE SELF PERFORM

- Pour concrete – footing – flatwork
- Framing commercial and residential
- Drywall – hang – patch and tape
- Painting
- Interior finish trim/doors, cabs, millwork
- Windows new or retro
- Roofing patchwork

Be Safety Smart

"Puget Sound Area Safety Summit Newsletter," October 2004

Submitted by Daryl Hood, Safety Director

Is anything more terrifying than hearing the wail of a fire siren near your home?

If you are safe at home, you can breathe a sigh of relief. If you aren't home, do you wonder if you left the coffeepot on or forgot to shut off the iron? Do you then promise the fates that, if it isn't your house on fire, the first thing you will do when you get home is unload that overloaded outlet or throw away that old heater you keep using? When you get home and all is well, do you then promptly forget all those promises you just made?

The most important fire and life safety related things you can do for your family are to:

- Properly install, maintain, and test smoke detectors on each floor level, outside each sleeping area, and in each bedroom.
- Develop and then practice your family's home fire escape plan. Everyone should know exactly what to do if you need to escape from your home.

Here are some fire and life safety tips for use at home, at your child's dorm, or wherever you might be:

- Have a portable fire extinguisher easily accessible to spaces with higher fire hazards such as the kitchen

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Applause

Congratulations to **Marie Gruel** for her promotion from Project Manager to Account Executive. Marie has been part of the Construction Special Projects team for 7 years; 5 years in engineering and 2 years as a project manager. In the last couple of years, Marie has developed some solid customer relationships and has proven to be a skilled estimator, strong project manager, and hard worker.

We have high expectations and look forward to great success from Marie.

Reis Tietge, Special Projects Manager

After giving Woodinville Fire Department (yes Woodinville Fire Department) a maintenance proposal, they decided to give us a try. After a few quick service calls, we received a callback from the customer stating they were very impressed with the professionalism and knowledge of our technicians.

Since firefighters have firefighter friends, the Duvall Maintenance Chief called our Woodinville customer for referrals on a HVAC company.

It was said in that conversation, "They may be more expensive per hour, but they will spend less hours to do the same thing. In the end you'll save money."

With a recommendation like that, how could we not win the agreement at Duvall? Thanks especially to **Quang van Huynh** and and those who followed.

Greg Galusha, Account Manager

More Applause on Page 8

Be Safety Smart continued from page 4

and fireplace.

- Know two exit routes from wherever you are -- the office, a restaurant, hotel room, theater, etc.
- Check your exit route and request immediate attention by responsible parties, and that stairwells are free and clear of all obstructions and exit doors work.
- Practice good housekeeping. Prevent the accumulation of combustible items, and remove trash regularly.
- Maintain at least a 3-foot (1-meter) clear space around heat-producing appliances, such as coffeepots, toaster ovens, heaters, and irons. All appliances should be UL listed with an illuminated pilot light to remind you when you leave them on.
- Ensure that extension cords are UL-listed and connected to a fuse. Do not connect one extension cord to another. Electrical outlets are designed for a certain amount of power demand. The use of multiple outlet extension cords can easily overload a circuit.
- Repair and replace any missing ceiling tiles in a suspended ceiling. Openings in a ceiling present a path for smoke and heat to travel that could delay the response of smoke detectors or automatic sprinklers.
- Maintain a clear space of at least 18 inches (45 cm) between the top of storage and sprinkler heads in spaces protected with automatic sprinklers to allow for their proper operation.
- Never leave a candle unattended. If you need to use them, only use them in open spaces where they cannot ignite any combustibles.
- Make sure that all hallways, staircases, and entranceways of your home are properly lit. Inspect and repair any visible wear or damage to staircases including worn rugs, loose or broken handrails, and loose or damaged steps.

FIRE AND LIFE SAFETY: EVERYONE'S RESPONSIBILITY

Fall preparations:

Now that your home and family are prepared for a fire emergency, here are a few other things to do that will help you prepare for the cold weather to come:

- Furnace Inspection: Have your furnace inspected. Install and test your carbon monoxide detectors.
- Space Heaters: It is best to have a well balanced home heating system, but if you must have a space heater, ensure that the model has the following safety features and be sure to maintain it per the manufacturer's instructions. Space heaters should be UL-listed with an illuminated pilot light, variable temperature controls, and tip-over shutdown. Three feet of clear space should be maintained around any space heater.
- Wood burning stoves/fireplaces/chimneys - It's always nice to have a fire in your fireplace or wood burning stove. Never leave a fire unattended and before you light the first one of the season, have the chimney/smokestack cleaned and inspected.
- Limitation of fire exposure: If you live in an area that is susceptible to wildfires, it's not too late to make sure that your home is defensible. Keep your roof clear of leaves or pine needles. Clear a space of at least 30 feet between your house and the nearest tree. For more information, visit the Firewise website at www.firewise.org.

"Praise is like sunlight of the human spirit: we cannot flower and grow without it."

- Jess Lair

"What sunshine is to flowers, smiles are to humanity. These are but trifles, to be sure; but, scattered along life's pathway, the good they do is inconceivable."

- Joseph Addison

MMFS Employee Takes Part in Innovative Coast Guard Program

Caption by Petty Officer 3rd Class Adam Eggers

Adm. Thomas Collins, Commandant of the United States Coast Guard (second from the right), visits with (from left to right) Auxiliarist **Bob Lyden**, Petty Officer 3rd Class Adam Eggers and Lt. Cdr. Andre Billeaudeaux during the 2005 Coast Guard Innovation Expo on May 3, 2005, in Santa Clara, California. The group, from the Thirteenth District Public Affairs office, was introducing a program focused on maritime domain awareness and Coast Guard operations called Northwest Watch.

Excerpts from an article in the "Northwest Navigator," May 2005, by JO2 Ryan Hill, Staff Writer.

Northwest Watch is a program involving Coast Guard, Coast Guard Auxiliary members and civilian volunteers that live along these masses of water, including the Puget Sound. Participants of the program have their home addresses represented on a map of the Puget Sound in the Coast Guards computer system. When the Coast Guard gets a call about any trouble in the water they check their computer and see if they have any volunteers in that area.

If they do, they call the volunteers and ask them to check on the situation. If the call ends up being a false alarm, the Coast Guard saves money and manpower by not deploying to the area. If the call is a real situation, the Coast Guard is able to dispatch their resources to the situation in a more efficient matter.

With the Northwest Watch program currently running in the states of Washington and Oregon, the Coast Guard estimates a monthly savings of approximately $5,000. Increasing the amount of volunteers in the program will lead to more estimated savings. There are currently 124 members of Northwest Watch with approximately fifty of them joining up in the past two months.

The success of Northwest Watch has led the Coast Guard to actively promote the program in an effort to gain more volunteers. They are currently working on plans to pitch it to area boating clubs and other organizations involving activities on the Puget Sound.

The Coast Guard is currently looking for any volunteers who can help in the Northwest Watch program. They are specifically looking for people who live in residences overlooking shoreline and navigated waterways.

For more information about Northwest watch call 206.220.7237 or check online at www.uscg.mil/d13/nwwatch/.

Chiron Steam Shutdown

Dean Westcott, Journey-Level Pipe Fitter

In March of this year, it was brought to our attention that one of our customers, Chiron, had a major problem with steam and condensate in the building. Upon diagnosing a bad heat exchanger, following is the sequence of events that occurred.

On Friday night, March 25, we demo'ed the bad heat exchanger. We frantically called around to try to find a replacement. The quickest fix we could find was to rent a heat exchanger from Cole Industries in Yakima. The rented unit arrived, and our crew was on site with Ness Crane at 6 am the following day (Saturday) to begin the swap. Our crew consisted of some of the best MMFS mechanics we have -- **Jack Prigger** was the lead, with **Travis Bingisser**, **Bobby Freeman**, **Kurt Nemeyer**, welder **Steve King**, and utility helper **Mike Hudnell**. Because of the way the new unit was configured, there were numerous cuts and welds that were necessary, but these guys busted their tails and got the job done. We had the unit back on line by 2:30 that afternoon.

In looking out for the best interest of the customer, we ordered a replacement heat exchanger that was in stock, however it was not a direct replacement. Upon its arrival, **Bill Dixon** in our pipefitting shop and I went to work on making the fittings required to hook up to the inlets and outlets of the new unit. We were back at the jobsite Friday, April 8, to prep the rented unit for removal. The crane arrived at 6 am after we had both Elliott and Western Avenue blocked off. The rented unit was down and the new unit was on the roof within 30 minutes. The same crew that set the rented heat exchanger was onsite Saturday to install the replacement unit with the exception of the welder - for the replacement unit we used our welders, **Ricky Werts** and apprentice **Mike Pinchin**. It was discovered that the condensate was not piped correctly, so we corrected that and by 6:30 pm the new unit was up and running. The system is now running like a charm, better than it ever has before.

Besides big kudos to all mentioned above, I would also like to give a special thanks to **Erin Hudnell** (Mike's wife) and **Jordan Bloch** (my daughter) for bringing us dinner Friday night. It was a late night and small extras like this really go a long way.

Thanks to everyone involved. Without everyone's hard work, there is no way things could have gone as flawlessly as they did.

"Wherever you go, no matter the weather, always bring your own sunshine."

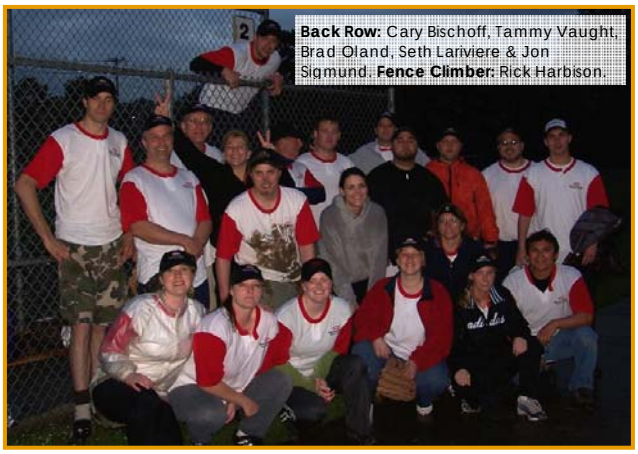
- Anthony J. D'Angelo

Mac Attack!

Come cheer on the Mac Attack softball team! They play once a week through July.

Mon	5/23	6PM	Field 1
Wed	6/1	7:30	Field 2
Mon	6/6	7:30	Field 1
Mon	6/13	6PM	Field 2

Games are held at South Park Field, 8319 8th S. There are bathrooms and a playground. Please do not leave valuables in your car.



Back Row: Cary Bischoff, Tammy Vaught, Brad Oland, Seth Lariviere & Jon Sigmund. **Fence Climber:** Rick Harbison.

Bottom Row: Nicole Kampmann, Shannon Parsons, Amanda White, Kim Larsen, Roxanne Martinez, Kerry Rohlfing & Ric Martinez. **Middle Row:** Mathew White, Dave Hicks, John Carlin, Jetta Lariviere, Charlie Prib, Brian Kite, Jeff Lewis & Neil Henry.

Additional Boiler Maintenance Tips
from the 'Boiler Team'

Contracting Business, December 2004

Jim Hike, Service Technician

Boiler maintenance and repairs require special training and tools. In my experience in the field, the salespeople that sell boiler maintenance agreements often have very little knowledge of the procedures that are required, or what value they have for the customer. Consequently, the market is driven by the competition for the work, which often leads to rushed maintenance times and poor maintenance work for the customer.

The customer often has no idea how dangerous a boiler can be. I believe education of the sales staff is a great place to start in this industry. The customer should also be educated as to what is required by code and what procedures are needed to keep the boiler safe and extend its longevity. An informed customer is more likely to contract for necessary maintenance knowing that money will be saved in the long run.

Standing back and visually Inspecting the room is the first step a technician

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Applause

Thanks to **Debbie Fortier** for all of the assistance and advice she gives me whenever I ask for her help. She sends me information even when I don't ask for it that educates me in many areas. She brings concerns or problems to my attention early enough to allow me to get involved, so that I can assist in resolving the problem, before it's too late. Debbie is very knowledgeable, and goes far beyond her job description protecting MacDonald-Miller Facility Solutions interests. The Accounting Department and MacDonald-Miller Facility Solutions are very lucky to have Debbie working here.

Robert Lyden, Risk Manager

A special thanks to **Link Toliver** for his great example of the spirit that lives at MacMiller. Link noticed that our New Construction Account Executive, **Steve Amann**, was working in an office space that was not equipped with a plan table to lay out large construction drawings. Steve was regularly resorting to laying out his drawings on the floor of his office and often getting downs on his hands and knees to work on the drawings. Link, knowing that his office had facilities for laying out drawings built in, went to Steve and volunteered to trade his larger office space for Steve's smaller office to aid Steve in his work. How many companies do you know of that have that level of caring amongst employees? The MMFS spirit lives on in the daily actions of each of us, working together so we all can succeed. Way to go Link for showing us what a quality guy you are and why MMFS is such a great place to work!

Steve Nicholes, VP Sales

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should take. This will enable the tech to spot the most common boiler performance problems (which are frequently due to improper installation) such as insufficient combustion air, improper venting, and an undersized gas meter or lines.

The visual inspection will also reveal things that the boiler is trying to tell you. You may see blistering on the pipes; bubbled paint around seams; water stains or rust down the sides of the cabinet, down the stack, or in the breech; wet insulation; or corrosion in the collector box. Learn what these signs mean. Don't assume the damage was caused by a past problem, or is "expected" because of the age of the equipment. Clean the boiler thoroughly at least once a year so that in future inspections you can see if the problem recurs.

If there's a water heater and you can't see it, remove the skin at least once a year to get a good look at it. Look over the fireside closely. Cracks or loose refractory can cause big problems down the road. A small amount of soot or water scale can lead to a great loss in efficiency.

I believe in testing the water as well. I would suggest a class or two in water treatment and some investment in a test kit. These tests will tell you if there is high iron or corrosion in the system. Boiler tube failures are often caused by impurities in the water, water temperature changes, expansion and contraction, and vibration. In addition, too low or too high pH will cause corrosion

Look at feed water quality and condensate return. Know how to determine if the traps are working properly. Energy wasted by bad steam traps can easily cost much more than the repairs and preventative measures. Check auto air bleeds and make sure they are not leaking or closed off.

Check the building controls. In most cases the building controls start and stop the boiler. Make sure the programmer and controls technician didn't create a hazard when the controls were installed. Don't forget that pumps are often tied to the controls, too.

Finally, my favorite subject: combustion analysis. If you're not using a combustion analyzer, start. Take a class on combustion and get a good analyzer with a printer. The combustion analyzer will alert you to problems very quickly. It can alert you to a host of problems such as dirty burners, poor combustion air, bad drafting, fouling on the exchanger, impingements on the flame, and improper firing ratios.

Boiler maintenance contracts need to be a balance of required codes, boiler manufacturers' recommendations, experience of the technician, and common sense. They should offer value to the customer and give piece of mind that the equipment is in good working order and safe to operate.

Jim Hike is a senior HVAC technician with McDonald-Miller Facility Solutions' Boiler Team, Seattle. WA.

"Keep your face to the sunshine and you cannot see the shadow."

- Helen Keller

"Those who bring sunshine to the lives of others cannot keep it from themselves."

- Sir James Barrie

Our Clients Write

I wanted to inform you that **Dan Wilkinson** has done an outstanding job in meeting customer satisfaction needs here at the Safeco Building in Lake Oswego. I would also like to thank Dan for the extra mile that he puts forth for me personally as well as Grubb-Ellis as a company.

MacDonald-Miller Facility Solutions as a company has done an excellent job in meeting our needs.

Best regards,

Marty Butts, Chief Engineer
Grubb-Ellis

I wanted to drop you a line to let you know how pleased I am with **Steve Woolery**'s performance on the Tumwater Office Properties project. He has been a very positive influence on the team even though he has been inundated by State requirements along with LEED® criteria. Steve has led the charge on all the nitty-gritty little details, not letting anything slip by. NBBJ has also commented positively on the performance of MacDonald-Miller Facility Solutions as a design/build consultant, noting it has been a pleasure having **Robert** (**Willis**) and Steve as a part of the team.

We never seem to have enough time these days, especially to say thanks for a job well done. We just fly on to the next one and assume you know.

Cindy Edens, Vice President
Wright Runstad & Company

I want to let you know what an outstanding job **Ray Siderits** does. It is a rare occasion when an employer is fortunate enough to find an individual of Ray's caliber. I find Ray to be an exemplary representative of your Company.

He is a talented individual who has always been able to resolve our service calls. If on the rare occasion he didn't have the immediate solution, he was tenacious enough to find the proper remedy. Ray takes the time to ensure that we are aware of the situation, what the cause was, and what was done to resolve it. Ray also has the unique talent to be able to relate this information in a concise and understandable manner.

Ray is a conscientious, courteous and personable individual. I have always felt confident in his judgment and behavior when working in our occupied or public areas. He is aware of the impact his presence has upon the people that are working in the area and ensures that there are no disruptions in the daily operations of our business.

He genuinely cares about his customer and does all he can to ensure that we are satisfied.

I know I have mentioned it to you in the past, but I feel it is appropriate that I send you this letter. I hope that you will place it in his personnel folder.

Robert Callahan
Facilities Manager
Nintendo of America

Thanks for having **Jim Hike** come out (to service our boiler and troubleshoot the oven we have been having problems with). As usual, his service was very professional and helpful. Please thank Jim Hike for his prompt and professional service and thank you for the service that MacMiller is doing for us.

Chris Anderson, E-Coat
Maintenance Supervisor

New IT Employee, Seth Henderson

Frank Worsing, IT Manager

Please welcome **Seth Henderson** to the MacMiller team. Seth has joined the Information Technology Department working closely with **Scott McDonald** to help keep our users and computers productive and happy.

Seth not only comes highly recommended, but he also comes from a long way off - Oklahoma! He brings with him a boatload of skills and a strong customer focus. Don't bother trying to hunt him down to say "hi" - sooner or later he's going to find you!

Many thanks to **Cary Bischoff** for the outstanding support he's provided our network activities during the "dry spell". Cary will continue helping out in Network Support through April then he will return to his regular duties as Systems Support and Programming. Of course there's always the potential of a "drive-by" repair if Cary just happens to be in your neighborhood when something goes awry.

I would also like to express my appreciation to **Scott McDonald**. During the last six months of rapid company growth, he has managed to maintain a great attitude while battling an ever increasing list of work requests. He's going to need some severe vacation time when things level out and he can breathe again.

As always...

+ If you need immediate emergency IT assistance, dial H-E-L-P on your phone.

+ If you need non-critical help/assistance or to place an IT request, email the Help Desk.

"The best reason for quality today is a job tomorrow!"

– Zapp's Potato Chips Mission Statement

Mark Muscatell Lighting the Way to Success

Gus Simonds, Exec. VP Business Development

I am pleased to announce that MMFS is back in the lighting business! Last month **Mark Muscatell** left Sequoyah Electric and came to MMFS to provide lighting retrofit services for our customers. He, along with **Ed Adams** (also formerly of Sequoyah Electric), provides a strong team to further the growth of our electrical and energy services business. Mark has been in the lighting services business for over 20 years and is well respected by our local utilities as well as many building owners and managers.

Please welcome Mark to the MMFS team...and keep your eyes peeled for lighting retrofit and electrical service work.

New Hires

Michael Dale, Sheet Metal Apprentice; **Paul Grabe**, Sheet Metal Apprentice; **Daniel Holland**, Project Manager; **Lenny Llanos**, Service Apprentice; **Brian Martin**, Sheet Metal Material Handler; **Mark Muscatell**, Account Manager; **Patrick Pomber**, Service Apprentice; **Nathaniel Rosario**, Electrical Apprentice.

Welcome Back

Vern Chambers, Sheet Metal Material Handler

Submissions:

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PO Box 47983
Seattle, WA 98146-7983

Phone
206.768.3868

Fax
206.768.3869

E-mail
jacquee.christnot
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Deadline
June 1st

MacDonald-Miller
FACILITY SOLUTIONS

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See us at:
www.macmiller.com

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installation of the transformer, the wire, both new and old, would have to be tested, "high-potted", before power could be applied. Again another subcontractor, Electro-test, was called in to perform the testing. After Electro-test certified the connections, the distribution panel was installed.

With the distribution panel installed, grounding complete and terminations made and certified, power was applied and ready for the ship's arrival. The final inspection was completed on February 7. The ship was delayed in its arrival for a few days after suffering an on-site accident while still at the shipyard. The accident claimed the life of one of the civilian workers for Nichols Brothers.

Thanks to the efforts of all of the above-mentioned employees along with **Dick Taylor** in the tool room, MacDonald-Miller Facility Solutions was ready when the ship arrived.

Anniversaries

Yrs.	Name	Title	Date
23	**Scott Haugen**	Sheet Metal Foreman	5/13
16	**Bret Lovely**	Account Executive	5/5
16	**Charmie Wieland**	Executive Assistant	5/23
14	**Gary Barnak**	Sheet Metal Journey-Level	5/6
14	**Linda Bucher**	Estimator	5/6
12	**Stephen "Fish" Cox**	Carpenter	5/19
9	**Kevin Ruch**	Plumbing & Pipe Fitting Journey-Level	5/14
8	**Jerome Drazowski**	Sheet Metal Journey-Level	5/27
7	**Ryan Hinkle**	Plumbing & Pipe Fitting Journey-Level	5/11
7	**Jason Britton**	Sheet Metal Journey-Level	5/18
7	**Brian Lyne**	Electrical Foreman	5/18
5	**Keith Black**	Service Apprentice	5/1
5	**Bryce Carmichael**	Service Journey-Level	5/1
5	**Terry Bate**	Sheet Metal Journey-Level	5/12
5	**David Guilliatt**	Sheet Metal Journey-Level	5/16
4	**Reny Santiago**	Service Apprentice	5/16
4	**Mark Reynolds**	Engineer	5/23
2	**William Cook**	Sheet Metal Apprentice	5/1
2	**Ivan Meyen**	Sheet Metal Journey-Level	5/28
1	**Steven Sayres**	Plumbing & Pipe Fitting Apprentice	5/6
1	**Charles Prib**	Service Apprentice	5/13
1	**Jonathan Funk**	Service Apprentice	5/24
1	**David Crist**	Sheet Metal Journey-Level	5/26
1	**Tracy Supple**	Plumbing & Pipe Fitting Apprentice	5/27