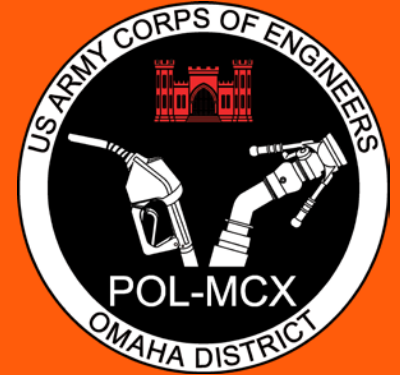




PROVIDING CLEAN, DRY FUEL RELIABLY AND SAFELY TO SUPPORT THE MISSION/TROOPS.

Newsletter

USACE Fueling Systems POL-MCX



IN THIS ISSUE

Productive Partnerships

The U.S. Army Corps of Engineers (USACE) Petroleum, Oils, Lubricants Mandatory Center of Expertise (POL-MCX) **promotes early engagement** as part of its effort to provide the resources and guidance necessary to support the Geographic Districts. Fueling system projects involve **perishable skills** that are not readily available in all Districts, and POL-MCX provides this knowledge in order to ensure the consistency of fueling systems around the world. Part of this effort involves maintaining partnerships with other subject matter experts in industry and Government to share best practices (see above photo), and developing new partnerships with **talented students** interested in learning the tools and techniques used in fueling system projects (see page 2). The POL-MCX continues fostering existing partnerships and developing relationships with new stakeholders as part of its ongoing effort to provide the best value and support to the mission.

LOOK FOR THE POL-MCX

Meet the POL-MCX at the **NPMA PETRO on April 3-6, 2018** at the Hilton Alexandria Mark Center in Virginia.

PHOTOS CAPTIONS & CREDITS

Top: Craig Margrave (POL-MCX mechanical engineer, wearing hat) points out design features of the fueling system at Wheeler Army Airfield, HI to members of the Fuels Facility Engineering Panel (FFEP). Reference [April 2016](#) POL-MCX newsletter for more information on the FFEP.

Photo by G. Etter.

Middle: Contractor removing underground storage tank (UST) at Tobyhanna Army Depot, PA. Reference [October 2017](#) POL-MCX newsletter for more information on UST's.

Photo by S. Kiely.

Bottom: Greg Etter (POL-MCX, left) and Dan Boyer ([TSC-MCX](#), middle) discussing workshop activity with high school student Chris Ramsey (right) during the 18-Jan-2018 NSBE (National Society of Black Engineers) Junior Chapter workshop at Omaha North High Magnet School. The students partnered with representatives from POL-MCX, TSC-MCX, and industry to explore different methods of seeking and qualifying information for their research. More on page 2.

Photo by MSG G. Canty.



Quarterly roll-up and look-ahead

Learn where the POL-MCX is working in your area.

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Interview of the quarter

Mr. Eric Bausch, POL-MCX Civil Engineer, discusses his history with the fuels program.

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POL-MCX Ongoing Fuel Projects

DESIGN-BUILD AND RAPID RESPONSE	
USACE DISTRICT	SITE NAME(S)
LRL	BLUE GRASS AD FT CAMPBELL FT WAYNE MANSFIELD NORTH CANTON SCOTT AFB WRIGHT PATTERSON AFB YOUNGSTOWN
NAB	CAMP DAWSON
NAE	BRADLEY PEASE QUONSET
NAN	MCGUIRE AFB
NAO	FORT PICKETT
NAP	DOVER AFB TOBYHANNA AD
NWK	FORBES FIELD FORT LEONARD WOOD IKE SKELTON MCCONNELL AFB
NWO	CAMP GUERNSEY CAMP RIPLEY ST CLOUD WATERLOO
NWS	FAIRCHILD AFB JB LEWIS MCCHORD
POH	JB PEARL HARBOR HICKAM
SAJ	CAMP BLANDING MAYPORT
SAM	ANNISTON AD CAMP BLANDING CAMP MCCAIN COLUMBUS AFB NAS MERIDIAN PATRICK AFB
SAS	CAMP LEJEUNE CHARLESTON AFB DOBBINS ARB FORT BENNING MORRISVILLE POPE AAF ROBINS AFB
SPK	DUGWAY HILL AFB LUKE AFB WEST JORDAN
SPL	29 PALMS CAMP NAVAJO CAMP PENDLETON CREECH AFB DAVIS-MONTHAN AFB FORT HUACHUCA VANDENBERG AFB YUMA
SWT	CAMP GRUBER

POL-MCX Site Visit Look-Ahead

Q2FY18 LOOK-AHEAD	
USACE DISTRICT	SITE NAME(S)
LRL	FORT CAMPBELL GRISSOM ARB WRIGHT-PATTERSON YOUNGSTOWN
NAB	ANDREWS AFB
NAE	QUONSET ANGB
NAO	MCB QUANTICO
NAP	DOVER AFB PITTSBURGH ARS
NAU	INCIRLIK AB
NWK	CAMP CROWDER LAMBERT FIELD FORT RILEY
NWO	CAMP RIPLEY FT MCCOY MITCHELL FIELD
NWS	KLAMATH FALLS
POJ	IWAKUNI OKINAWA
SAC	MCRD PARRIS ISLAND
SAM	BLOUNT ISLAND CAPE CANAVERAL COLUMBUS AFB EGLIN AFB HOMESTEAD ARB MACDILL AFB

Q2FY18 LOOK-AHEAD (CONT')	
USACE DISTRICT	SITE NAME(S)
SAS	CAMP LEJEUNE CHERRY POINT DFSP CHARLESTON DFSP TAMPA MCAS BEAUFORT POPE AAF ROBINS AFB SHAW AFB
SPK	BEALE AFB BRIDGEPORT FT HUNTER LIGGETT MCAS MIRAMAR TONOPAH
SPL	CAMP PENDLETON CREECH AFB DAVIS-MONTHAN AFB FORT IRWIN LOS ALAMITOS MCLB BARSTOW NELLIS AFB PAPAGO PARK YUMA PROVING GROUND
SWF	CANON AFB BARKSDALE AFB DYESS AFB FORT BLISS FORT HOOD
SWT	FORT SILL

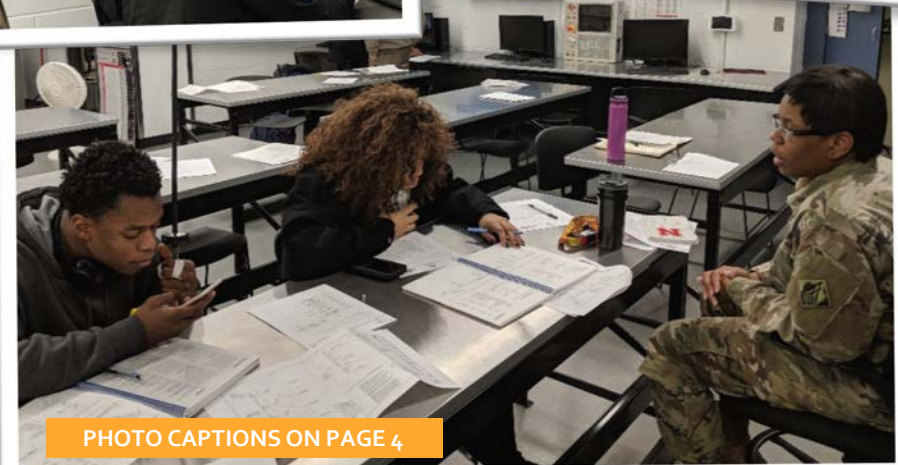
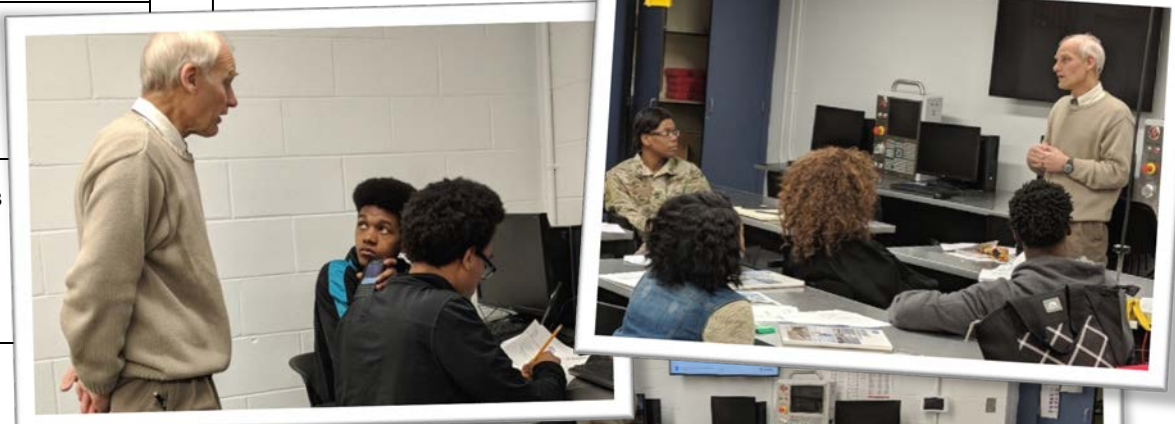


PHOTO CAPTIONS ON PAGE 4

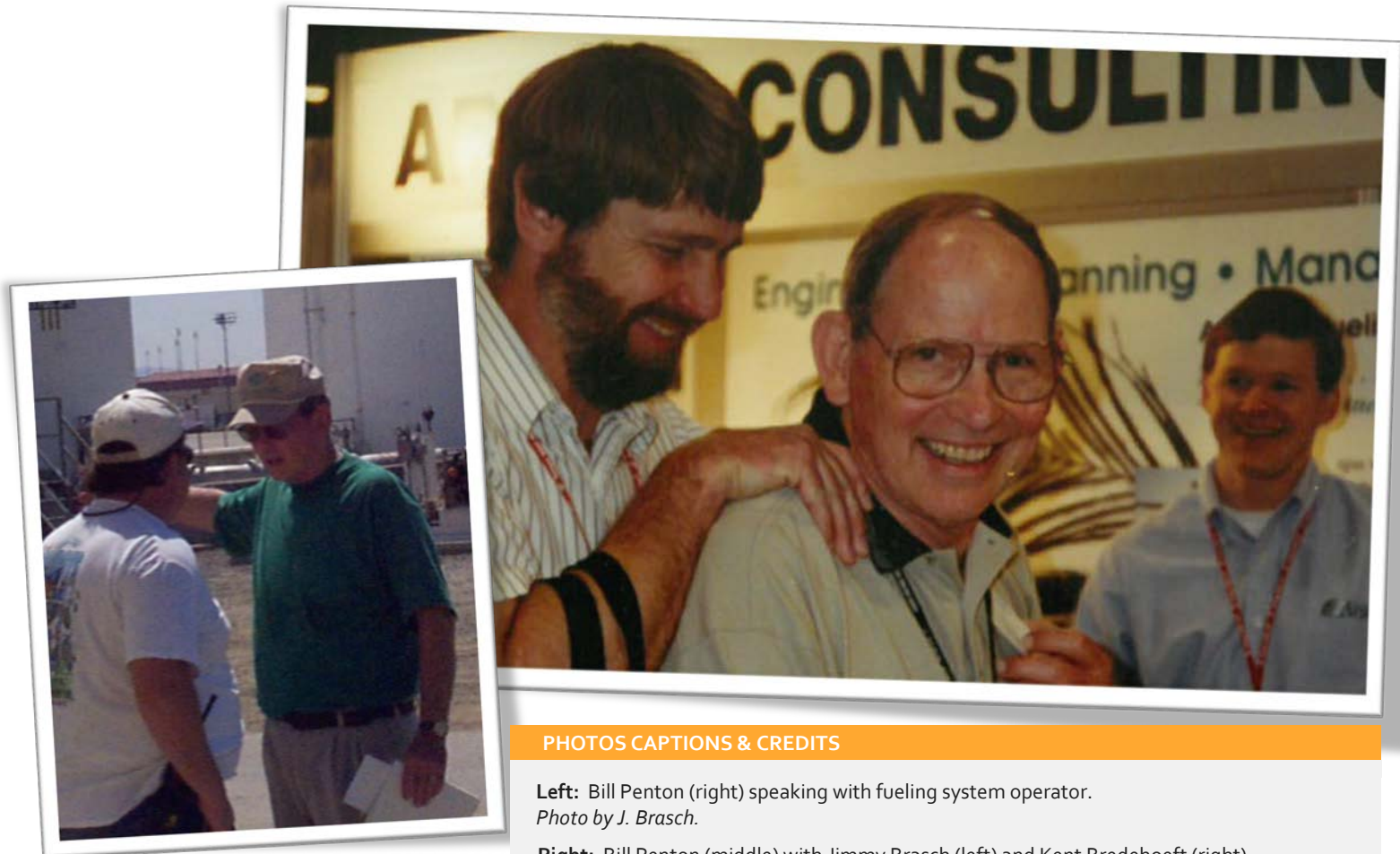
In Memoriam: Bill Penton

The POL-MCX joins the fuels community in their celebration of the life & achievements of LtCol(ret) William (Bill) Penton. Bill's distinguished history in the fuels community began with his career in the Air Force where he served on the flight crew on C-130 aircraft. During his service he understood first-hand the role of fueling systems in the warfighter's ability to complete the mission and safely return home. After retiring as a Lieutenant Colonel he pursued a career in the Federal Government with Command Fuels Operations where he helped to influence and improve design standards for pressurized fueling systems. Upon retiring from Government service he pursued a third career partnering with private suppliers and A-E firms. Throughout his careers Bill was directly involved in the fuels community, working and discussing fueling systems right up to the time of his passing.

Bill earned the highest respect from the fuels community due to his passion for fueling systems and always making time for others. He enjoyed using his extensive network of fueling system professionals (Bill was on a first-name basis with many of them) to help answer questions and serve as sounding board for issues pertaining to fueling systems. He effortlessly connected with different audiences by using examples from his career to illustrate the reasoning behind a standard. Bill's stories, guidance, and passion continue to be shared among his peers and help keep his legacy alive.

Bill was involved in establishing many of our fuel standards and design criteria, with each of his decisions built around the same fundamental question: "what is best for the warfighter?" His collaborative efforts brought about change that significantly improved safety and enhanced fueling operations around the world. His memory is memorialized in the USAF Air Mobility Command's Annual Fuels Organizational Excellence Award that bears his namesake.

Bill was a strong proponent of designating the USACE Fueling Systems Center of Expertise (POL-MCX) located in Omaha, Nebraska. We are honored by his confidence in our team to continue his legacy, and thank him for his dedicated fuel experience and insightful direction.



PHOTOS CAPTIONS & CREDITS

Left: Bill Penton (right) speaking with fueling system operator.

Photo by J. Brasch.

Right: Bill Penton (middle) with Jimmy Brasch (left) and Kent Bredehoeft (right).

Photo by Argus Consulting, Inc.

Interview of the Quarter:

Mr. Eric Bausch

POL-MCX Civil Engineer

Below we learn about Mr. Eric Bausch and his history with the POL-MCX.

➤ What is your role in the POL-MCX?

I am a civil engineer within Engineering Division. Most days, it seems my role is "other duties as assigned," which means I could be doing anything from designs, design reviews, contracting support, construction support, standard development, walking a site, or any number of other things. Every day brings a new adventure.

➤ What do you enjoy most about your work?

There are two things that I really enjoy. First is being given a constrained project site and having to work to come up with a layout that flows well for both the fuel and the operators, while meeting all the various criteria. The other occurs when commissioning a system following construction. Seeing the culmination of a project, while knowing of all the work that went into programming, design, and construction that ultimately results in a product that supports our warfighter, brings tremendous satisfaction.

➤ Is there a project that stands out more than others?

Most of the things that really stand out for me are experiences or events that have occurred while working on or travelling for projects. There have been so many memorable events over the years that it's hard to pick one out, but one example is missing our exit in the round-about at Ramstein. Twice.

➤ What might someone be surprised to know about you?

As of today, I've tried 2,761 unique beers since I started keeping track in 2012. For me, the best ones have to do with a combination of the beer itself and the setting in which I'm enjoying it. So hands down, my favorites have been the three from Westvleteren (Blonde, 8, and 12), each following the birth of one of my children.



Eric Bausch, POL-MCX Civil Engineer at Joint Base McGuire-Dix-Lakehurst.
Photo by Craig Margrave.

What's Wrong With This Picture?

Put your fuel system assessment skills to the test by examining this pipe configuration and identifying what is incorrect.

For a clue, reference AW 78-24-28 Pressurized Hydrant Fueling System Type III

<https://www.wbdg.org/ffc/dod/non-cos-standards>



HOW TO REACH US

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PHOTOS CAPTIONS & CREDITS FROM PAGE 2

Top Left: Dan Boyer (TSC-MCX, left) and Clint Gallagher (Burns & McDonnell, via telephone) assisting two students research aircraft characteristics. This was part of the 18-Jan-2018 workshop developed by POL-MCX for NSBE Jr. students to explore different methods of seeking and qualifying information for their research.

Top Right: Dan Boyer (TSC-MCX, top-right) explaining to students at Omaha North High Magnet School how engineers work in teams to solve complex problems.

Bottom: MSG Glenda Canty (right) assisting students research aircraft characteristics.

Photos by G. Etter