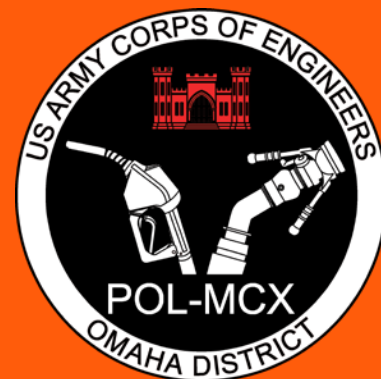




# Newsletter

## USACE Fueling Systems POL-MCX



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

IN THIS ISSUE

## Effective Communication

The U.S. Army Corps of Engineers (USACE) Petroleum, Oils, Lubricants Mandatory Center of Expertise (POL-MCX) continues to build a robust **communication platform** as part of our commitment to inform the USACE enterprise and its partners on where the POL-MCX is working and what resources are available when performing fueling system projects. These communication tools also serve to promote **early involvement of the POL-MCX** by the Geographic Districts in order to deliver consistent execution around the world, and to disseminate best practices and resource availability to our partners in DOD and industry.

Page 3 of this newsletter highlights some recent examples of our outreach efforts, including **Brown Bag Seminars** and university roundtables. Our upcoming workshop at the DLA-Energy **Worldwide Energy Conference** on April 10-12, 2017 provides an opportunity for POL-MCX team members to discuss the draft UFC 4-310-03 DOD Fuels Laboratory Standards and interface with their peers and industry counterparts.

The POL-MCX communication platform continues to expand to include new outreach initiatives, including developing a partnership with local **high school engineering students** by creating opportunities to learn and apply engineering activities associated with fueling systems.

### PHOTOS CAPTIONS & CREDITS

**Top:** Andy Kyhn, POL-MCX mechanical engineer (left), observing the testing of a high-level shut off valve at Westover ARB, MA.  
*Photo by G. Etter.*

**Middle:** Mike Merwald, POL-MCX electrical engineer (left), verifying system performance during acceptance testing of the fueling system at Westover ARB, MA.  
*Photo by G. Etter.*

**Bottom:** Hot refueling a UH-60 Black Hawk helicopter at Fort Campbell, KY.  
*Photo by Army Petroleum Center.*



## Quarterly roll-up and look-ahead

Learn where the POL-MCX is working in your area.  
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## Interview of the quarter

Ms. Denise Cramer, POL-MCX Contracting Officer, discusses her history with the fuels program.  
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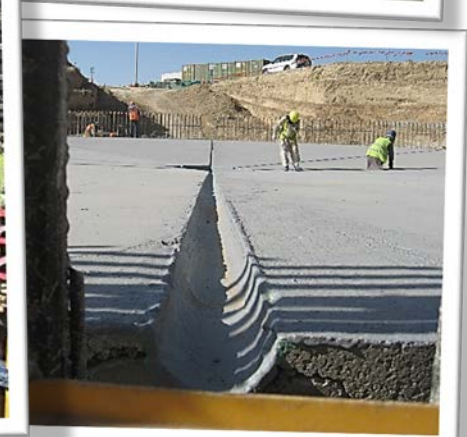
# POL-MCX Ongoing Fuel Projects

# POL-MCX Site Visit Look-Ahead

DESIGN-BUILD AND RAPID RESPONSE	
USACE DISTRICT	SITE NAME(S)
LRL	BLUE GRASS AD FT CAMPBELL KELLOGG ANG RICKENBACKER ANG ROCK ISLAND ARSENAL SCOTT AFB SHELBYVILLE WRIGHT PATTERSON AFB
NAB	DOVER AFB TOBYHANNA AD
NAE	CONCORD
NAN	MCGUIRE AFB
NAO	FORT STORY
NWK	AVCRAD SPRINGFIELD FORT LEONARD WOOD IKE SKELTON
NWO	CAMP GUERNSEY CAMP RIPLEY ST. PAUL HOLMAN FIELD WATERLOO
NWS	JB LEWIS MCCHORD
POH	JB PEARL HARBOR HICKAM
SAJ	CAMP BLANDING MAYPORT
SAM	ANNISTON AD CAMP MCCAIN NAS MERIDIAN
SAS	CHARLESTON AFB SALISBURY SAVANNAH ANG
SPK	BRIDGEPORT CAMP ROBERTS DUGWAY
SPL	AASF MARANA CAMP NAVAJO FORT HUACHUCA VANDENBERG AFB YUMA
SWF	FORT HOOD
SWT	CAMP GRUBER

Q3FY17 LOOK-AHEAD	
USACE DISTRICT	SITE NAME(S)
LRL	FORT CAMPBELL GRAYLING AAF GRISSOM ARB WRIGHT-PATTERSON AFB
NAB	AASF PARKERSBURG DOVER AFB ELEANOR FUELING FAC.
NAE	BRADLEY FIELD ANG CONCORD ANG
NAO	LANGLEY AFB, VA
NWK	FORT RILEY
NWO	AASF#2 ST. CLOUD FORT MCCOY
POH	KWAJALEIN MISSILE RANGE
POJ	CAMP BUTLER CAMP COURTNEY CAMP FUJI CAMP GONSALVES CAMP HANSEN CAMP KINSER CAMP SCHWAB MCAS FUTENMA

Q3FY17 LOOK-AHEAD (CONT')	
USACE DISTRICT	SITE NAME(S)
SAJ	CAMP SANTIAGO, PR DFSP TAMPA EGLIN AFB HOMESTEAD ARB ISLA GRANDE, PR
SAM	COLUMBUS AFB SOTO CANO, HONDURAS
SAS	BEAUFORT CHARLESTON AFB DFSP CHARLESTON FORT BENNING POPE AAF ROBINS AFB SEYMOUR JOHNSON AFB
SPK	FORT HUNTER LIGGETT
SPL	CREECH AFB FORT IRWIN MCAS YUMA PAPAGO MILITARY RES. VANDENBERG AFB YUMA PROVING GROUND
SWF	FORT POLK DYESS AFB
TAM	AL UDEID AB FOB FENTY



### PHOTOS CAPTIONS & CREDITS

**Left:** Boom concrete pump placing concrete around the shell of a Cut & Cover fuel storage tank at Bagram Airfield, Afghanistan.

**Top Right:** Placing concrete slab to form tank foundation.

**Bottom Right:** One of the radial interstitial space drain trenches in the foundation slab.

*Photos by C. Bolton*

## Fuels Spotlight: Engineer Outreach

The POL-MCX team continues its efforts to share their lessons learned and best practices with DOD partners and industry alike. The POL-MCX is unique in that it is the first project life-cycle production center MCX, which allows the team to control and observe the effect of different variables on a project and distribute the best practices to other USACE offices and partners. In some cases these best practices are approved as an update to a standard design.

Since 2012 the POL-MCX has hosted Brown Bag Seminars at the Omaha District headquarters building where POL-MCX engineers discuss recent updates and applications of standard designs for military fueling systems. These Brown Bag Seminars also prepare the POL-MCX engineers for briefings at professional workshops and seminars. The most recent Brown Bag Seminar was led by Mr. Dustin Scheuffele, POL-MCX mechanical engineer, who discussed the DOD Fuels Laboratory Standards UFC 4-310-03 (UFC available for download at <http://www.nwo.usace.army.mil/About/Centers-of-Expertise/References/>). Mr. Scheuffele and members of the POL-MCX will lead a technical workshop on DOD Fuels Laboratory Standards at the DLA-Energy Worldwide Energy Conference on April 12, 2017.

The POL-MCX also makes opportunities for engineering students to learn about the design and construction of fueling systems. At university workshops students learn from recent graduates how their training is applied to actual projects as part of the POL-MCX. Mr. Aric Mousel, POL-MCX structural engineer, used this opportunity to discuss his experiences with students at his alma mater, the University of Nebraska at Omaha. The POL-MCX is also developing a partnership with local high-school students to learn and apply engineering activities associated with fueling systems.

The ongoing efforts of the POL-MCX team to develop and deliver outreach programs to multiple audiences helps to ensure that the necessary expertise and resources are available to meet mission readiness goals.

### HOW TO REACH US

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Mr. Dustin Scheuffele, POL-MCX mechanical engineer, leading a Brown Bag Seminar for USACE employees on March 17, 2017. Mr. Scheuffele explained the DOD Fuels Laboratory Standards UFC 4-310-03 that was developed by the USACE Fueling Systems Center of Expertise (POL-MCX). *Photo by G. Etter.*



Mr. Aric Mousel, POL-MCX structural engineer, describes features of aboveground vertical fuel tank design. Mr. Mousel's presentation was part of a panel discussion on an engineer's role with U.S. Army Corps of Engineers Omaha District given to students at the University of Nebraska at Omaha during Engineer's Week 2017. *Photo by J. Bell.*

# Interview of the Quarter: Ms. Denise Cramer POL-MCX Contracting Officer

Below we learn about Ms. Denise Cramer and her history with the POL-MCX.

## ➤ What is your role in the POL-MCX?

I serve as the primary contracting officer for the USACE Fueling Systems POL-MCX and am primarily responsible for the management of the A-E Design and Inspection contracts (CONUS/OCONUS) as well as the Design-Build Construction contracts for support of the POL Facilities – Infrastructure (CONUS). Our team of contracting officer alternates and contract specialists help execute the POL-MCX mission. My day to day activities include providing business advice to Project Managers on various acquisitions, reviewing schedules, developing Source Selection Evaluation Criteria for task order acquisitions, negotiating with contractors, and awarding contracts and task orders.

## ➤ What unique challenges do you encounter in the fuels program?

The fuels program is unique and complex. The challenges are getting enough qualified people hired and trained to execute the mission. It is exciting to see new team members that are passionate about the program.



POL-MCX contracting team (from left to right): Katherine Fisher, Dawn Barnett, Denise Cramer, Cheryl Bunting, and Teri Edwards. Not pictured: Major Chris Thomas, Mary Thomsen, Franciska Blankenfeld, Donna Larson, Nadine Catania, & Charles Mason.

*Photo by S. McGuffey*

## ➤ What do you enjoy most about the fuels program?

I have been involved with the fuels program since 2008 and it is rewarding to see how it has evolved to meet the changing requirements of our mission. I enjoy interacting with other USACE Districts, DOD partners, and contractors to help develop and apply innovative tools to deliver on our commitments. I am really proud to be on this team!

## ➤ What message would you like to send to the readers?

I really enjoy being part of this dynamic team of individuals. I have the pleasure of interacting with so many of you. It makes our team feel GREAT when we receive the "Thank You's" from our partners that they are happy and will continue to come to USACE for their program execution.

## 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 UFC 4-310-03  
DOD Fuels Laboratory Standards:

<http://www.nwo.usace.army.mil/About/Centers-of-Expertise/References/>

