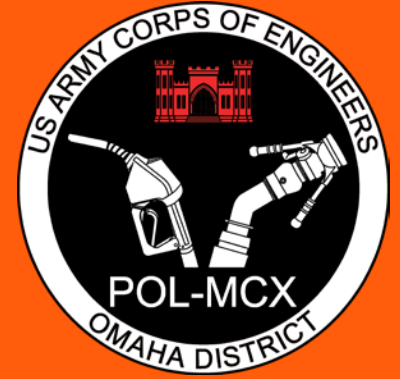




PROVIDING CLEAN, DRY FUEL RELIABLY AND SAFELY TO SUPPORT THE MISSION/TROOPS.

# Newsletter

## USACE Fueling Systems POL-MCX



IN THIS ISSUE

## Technical Competence

The U.S. Army Corps of Engineers (USACE) Petroleum, Oils, Lubricants Mandatory Center of Expertise (POL-MCX) is a proud part of the USACE **Centers of Expertise (CX)** program that provides specialized knowledge and skills to all USACE elements. USACE CXs support Districts in part by optimizing the use of specialized expertise and resources to enhance Corps-wide consistency and improve service to customers. In most cases each CX accumulated their institutional knowledge over multiple generations and represents an investment on behalf of USACE to ensure that these resources are available to all USACE and DoD elements, and in some cases, State and Local Governments.

**Early engagement of the USACE CXs** listed on page 3 of this newsletter typically facilitates the transfer of best practices and technology, and helps to reduce redundancy and costly modifications. CXs may also suggest other relevant resources and stakeholders that often play a key role in project success.

The CX program is part of what makes USACE a premier construction agent, and the POL-MCX strives to continue this legacy of greatness.

### PHOTOS CAPTIONS & CREDITS

**Top:** Eric Bausch (POL-MCX civil engineer) explaining the pigging launchers and receivers located at Al Udeid Air Base, Qatar. From left to right: Chris Wells (Al Udeid fuels maintenance), Nicolaas Degreef (DLA Installation Support), Jim Howell (DoD Office of Inspector General), Eric Bausch (POL-MCX civil engineer), Dustin Scheuffele (POL-MCX mechanical engineer), and Rick Bussard (POL-MCX electrical engineer).  
*Photo by G. Etter.*

**Middle:** Craig Margrave, POL-MCX mechanical engineer, replacing truck offload hose during acceptance testing at Bagram Airfield, Afghanistan.  
*Photo by B. Gunkelman.*

**Bottom:** POL-MCX and Sacramento District inspecting construction of pumphouse at Hill AFB, UT.  
*Photo by C. Margrave.*



### 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. Linda Richards, POL-MCX Program Analyst, 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 MANSFIELD RICKENBACKER ANG ROCK ISLAND ARSENAL SCOTT AFB WRIGHT PATTERSON AFB
NAE	CONCORD
NAN	MCGUIRE AFB
NAO	FORT STORY
NAP	DOVER AFB TOBYHANNA AD
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 SAVANNAH ANG
SPK	BRIDGEPORT CAMP ROBERTS DUGWAY WEST JORDAN
SPL	AASF MARANA CAMP NAVAJO CAMP PENDLETON FORT HUACHUCA VANDENBERG AFB YUMA
SWF	DYESS FORT HOOD
SWL	FORT SMITH
SWT	CAMP GRUBER

Q4FY17 LOOK-AHEAD	
USACE DISTRICT	SITE NAME(S)
LRL	CAMP PERRY CAMP RAVENNA JMTC FORT CAMPBELL GRAYLING AAF GRISSOM ARB KELLOGG ANGB TOLEDO WRIGHT-PATTERSON AFB
NAB	AASF PARKERSBURG AASF WHEELING ABERDEEN PRVNG GRNDS CAMP DAWSON ELEANOR FUELING FAC WEIDE AAF
NAE	BURLINGTON
NAN	AASF BYRD FIELD FORT PICKETT
NAO	MCB QUANTICO
NWK	CAMP CROWDER FORT RILEY
NWO	BUCKLEY AFB CAMP RIPLEY
NWS	YAKIMA TRNG CTR
SAJ	CAMP SANTIAGO, PR DFSP TAMPA EGLIN AFB ISLA GRANDE, PR PATRICK AFB

Q4FY17 LOOK-AHEAD (CONT')	
USACE DISTRICT	SITE NAME(S)
SAM	ARNOLD AFB CAMP SHELBY COLUMBUS AFB
SAS	BEAUFORT CAMP LEJEUNE CAMP MERRILL CHARLESTON AFB DFSP CHARLESTON FORT BENNING MCAS BEAUFORT POPE AAF ROBINS AFB SEYMOUR JOHNSON AFB
SPK	BEALE AFB BRIDGEPORT MWTC
SPL	CAMP PENDLETON CREECH AFB EDWARDS AFB FORT IRWIN MCAS YUMA NELLIS AFB PAPAGO MILITARY RES. YUMA PROVING GROUND
SWF	DYESS AFB FORT BLISS FORT HOOD WHITE SANDS MISSILE RNG
SWL	LITTLE ROCK AFB
SWT	MCALESTER AAP

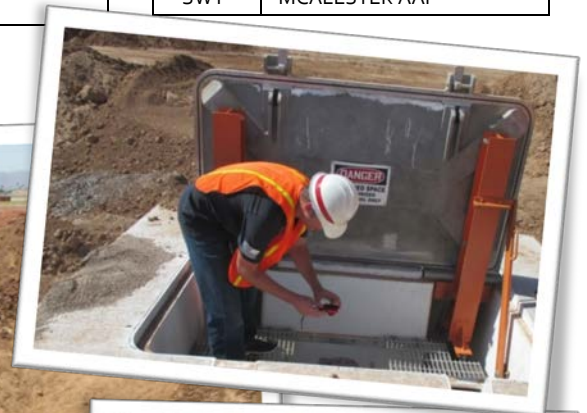
### PHOTOS CAPTIONS & CREDITS

**Left:** Construction of fuel pit for flight line fill stands project at Luke AFB, AZ.

**Top Right:** Andy Kyhn (POL-MCX Mechanical Engineer) inspecting fuel pit after backfilling.

**Bottom Right:** Top of fuel pit showing access port and safety grate.

*Photos by E. Bausch*



# Fuels Spotlight: USACE Centers of Expertise Program

The Petroleum, Oils, and Lubricants (POL) Mandatory Center of Expertise (MCX) is part of the USACE-wide Centers of Expertise (CX) program. The CX program provides an inventory of specialized knowledge and skills within USACE that can furnish beneficial and expert assistance to all Corps elements. A **current listing of CXs with POC information** is summarized in the table to the right and on the USACE Technical Excellence Network (TEN) at <https://apps.usace.army.mil/sites/ten/>. Ms. Donna Smigel ([donna.r.smigel@usace.army.mil](mailto:donna.r.smigel@usace.army.mil)) is the **USACE CX Program Manager**.

The services of these centers are available to all USACE and DoD elements, and in some cases, State and Local Governments. **ER 1110-1-8158** "Corps-Wide Centers of Expertise Program" provides guidance for the creation and use of all sanctioned Centers using the following definitions:

- **Centers of Expertise (CX):** designated USACE organizations (District, Laboratory, or Center) that have demonstrated capability and expertise in a specialized area. CXs improve capabilities and management, eliminate redundancy, optimize the use of specialized expertise and resources, enhance Corps-wide consistency, facilitate technology transfer, help maintain institutional knowledge in key areas, and improve service to customers, including rapid response to emergencies.
- **Mandatory Center of Expertise (MCX):** a USACE organization approved by HQUSACE as having unique or exceptional technical capability in a specialized subject area that is critical to other USACE commands. These services may be reimbursable or centrally funded. An MCX may provide additional discretionary or voluntary products or services as authorized, similar to a TCX; however, its designation remains an MCX based on the mandatory component.
- **Technical Center of Expertise (TCX):** a USACE organization approved by HQUSACE as having a unique or exceptional technical capability in a specialized subject area that is beneficial to other USACE commands. The services to be rendered by a TCX are voluntary, advisory, and reimbursable.
- **Center of Standardization (COS):** can be an MCX or TCX. Additional information may be found at: <https://mrsi.erdc.dren.mil/cos/>

USACE CENTERS OF EXPERTISE			
NAME OF CENTER	TYPE	POC	PHONE
Aircraft Hangar Fire Protection	TCX	Tom Stephenson	540-665-4025
Army Reserve Exchange Program	MCX	Sharon Caine	916-557-6806
Automated Performance Monitoring of Dams	TCX	Keith Thole	314-331-8411
Ballistic Missile Defense System	MCX	Bill Craven	256-895-1945
CAD/BIM Technology Center	TCX	John Hood	601-634-3138
Centers of Standardization (COS) *	COS	Scott Wick	202-761-7419
Civil Works Tech Support & Cost Review Center	MCX	Kim Callan	509-527-7511
Collaboration and Public Participation	TCX	Hal Cardwell	703-428-9071
Construction Equip/Cost Index Database	TCX	Kim Callan	509-527-7511
Corrosion Control & Cathodic Protection	TCX	Gary Whigham	251-690-2669
Curation/Mgmt Archaeological Collections	MCX	Michael Trimble	314-331-8466
Dam Safety Modification	MCX	Steven Morgan	304-399-5221
DoD National Relocation Program (DNRP)	TCX	Michael Schaezle	410-962-4177
Electronic Security Systems	MCX	Charles Malone	256-895-1725
Environmental and Munitions	MCX	Sandi Zebrowski	402-697-2555
Facility Systems Safety (FASS)	TCX	Victor Taylor	256-895-1583
Fuel Facilities (Petroleum, Oils, and Lubricants)	MCX	Greg Etter	402-995-2180
Heating, Ventilating, & Air Conditioning	TCX	Roderick Bridgeman	256-895-1727
Historic Structures & Buildings	TCX	Lauren McCroskey	206-764-3538
Homeowners Assistance Program	MCX	Ralph Werthmann	912-652-5011
Hydroelectric Design Center	MCX	Steve Miles	503-808-4200
Hydrologic Engineering Center	TCX	Chris Dunn	530-756-1104
ICS Cybersecurity	TCX	Dan Shepard	256-895-1178
Inland Navigation Design Center	MCX	Patrick Donovan	304-399-5038
Installation Support	TCX	David Willett	256-895-1379
Joint Airborne Lidar Bathymetry Center	TCX	Jennifer Wozencraft	228-806-6044
Marine Design Center	MCX	William Gretzmacher	215-656-6861
Medical Facilities	MCX	Anthony Travia	703-428-9138
Modeling, Mapping, & Consequences Production Ctr	MCX	Robert Simrall	601-631-5082
Paint Technology Center	TCX	Brooke Divan	217-373-3364
Parametric Cost Estimating (3086) & DD1391	MCX	D.H. Yi	256-895-1346
Photogrammetric Mapping	TCX	Keith Short	314-331-8867
Privatization of Army Lodging (PAL)	TCX	Donna Carrier-Tal	757-201-7733
Protective Design Center (PDC)	MCX	Curt Betts	402-995-2376
Range Training Land Program	MCX	Bill Stephenson	256-865-1534
Rapid Response HTRW Center	TCX	Tim Gouger	402-995-2191
Residential Communities Initiative (RCI)	TCX	Donna Carrier-Tal	757-201-7733
Risk Management Center	MCX	Nathan Snorteland	303-963-4573
Sign Standards Program	MCX	AJ Jensen	816-389-3840
Subsurface Exploration Center	TCX	Rhonda Capes	251-690-3406
Survey Engineering and Mapping Center	TCX	James Garster	703-428-9026
Sustainment Management System	TCX	Lance Marrano	217-373-4465
Transportation Systems Center	MCX	Dave Ray	402-995-2399
Tribal Nations	TCX	Ron Kneebone	505-342-3355
Unaccompanied Personnel Housing	TCX	Donna Carrier-Tal	757-201-7733
Utility Monitoring & Control System	MCX	Will White	256-895-1747
Water and Wastewater Treatment	TCX	Joe Findley	251-694-4012
Water Resources Remote Sensing/GIS Tech Ctr	TCX	Dave Finnegan	603-646-4106
Welding and Metallurgy	TCX	Travis Adams	503-808-4954

\* <https://mrsi.erdc.dren.mil/cos/>

## HOW TO REACH US

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 Website: <http://www.nwo.usace.army.mil/Missions/SpecialProjects/FuelSystems.aspx>

# Interview of the Quarter: Ms. Linda Richards POL-MCX Program Analyst

Below we learn about Ms. Linda Richards and her history with the POL-MCX.

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

I serve as the primary Program Analyst on the Omaha District Fuels Program. I am responsible for providing the financial analysis and evaluation of projects to ensure both USACE and our customers operate in accordance with fiscal policy. I work closely with all parties in PPPMD (Planning, Programs, and Project Management Division), Construction Division, and stakeholders to provide relevant and timely financial information, identify project risks, and resolve financial questions to support the mission.

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

The fuels program is very dynamic and there is always something new. It is very fast paced the majority of the time. I really enjoy working with our customers. I have worked the fuels program since 2006 and have developed valuable working relationships with our customers. I am really proud to be able to support the warfighter with the Fuels Program.

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

The majority of funding documents received for the fuels program are more intricate and detailed than those of other funding sources received by the Omaha District. It takes a lot of time and training to ensure fiscal responsibility is met for employees who do not work the fuels program on a daily basis.

## ➤ What might someone be surprised to know about you?

I served 9 ½ years in the US Air Force as an Enciphered Communications Analyst. I currently serve as Vice Commander of Bellevue American Legion Post 339. I am very involved with events and fundraisers intended to help ensure that homeless Veterans have enough to eat on a monthly basis.



Linda Richards,  
POL-MCX Program Analyst.  
Photo by H. Weddington

## 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 78-24-27  
Aboveground Vertical Steel Fuel Tanks with  
Fixed Roofs:

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

