NEWSLETTER USACE FUELING SYSTEMS POL-MCX



Newsletter USACE Fueling Systems POL-MCX



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

Getting to "Yes"

The U.S. Army Corps of Engineers (USACE) has purposefully developed a risk tolerant culture that assists our partners in achieving their mission. USACE's ongoing efforts to strengthen the foundation, deliver the program, & achieve the vision pervade to the USACE Petroleum, Oils, Lubricants Mandatory Center of Expertise (POL-MCX).

The POL-MCX team works with our funding partners to qualify options and develop innovative solutions that are legal, ethical, and moral to **get to "yes"** for project acceptance and execution.

Part of the POL-MCX's project acceptance involves understanding the fueling system project lifecycle and the roles and responsibilities of all stakeholders involved. The simplified fuels lifecycle diagram on page 3 summarizes the contact information for key stakeholders associated with a fueling system project. Early engagement of these important resources in the project lifecycle improves the team's ability to anticipate challenges, reduce project risk, and achieve the USACE's mission to **deliver the program**.

PHOTOS CAPTIONS & CREDITS

Top: POL-MCX supporting Japan District during acceptance testing of a pressurized hydrant fueling system pantograph inside a hardened aircraft shelter (HAS) at Misawa AB, Japan. *Photo by G.Etter.*

Middle: Richard Bussard (POL-MCX electrical engineer, left) with Eric Unkle (contractor) inspecting an electrical cabinet containing Programmable Logic Controller (PLC) and Input/Output (I/O) systems at Misawa AB, Japan. *Photo by G.Etter.*

Bottom: POL-MCX engineers discussing site conditions of new fueling system design with contractor at Royal Australian Air Force Base Darwin, Australia. From left: Michael Merwald (POL-MCX electrical), Robert Gunkelman (POL-MCX Civil), Craig Margrave (POL-MCX mechanical), Nicholas Dubas (POL-MCX structural), and Kelly Livingston (contractor). *Photo by G.Etter.*



Quarterly roll-up and look-ahead Learn where the POL-MCX is working in your area. Page 2



Interview of the quarter Mr. Doug Larsen, POL-MCX Specifications Writer, discusses his history with the fuels program. Page 4

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	
NAO	FORT PICKETT	
NAP	DOVER AFB TOBYHANNA AD	
NWK	IKE SKELTON	
NWO	CAMP GUERNSEY CAMP RIPLEY PETERSON AFB ST CLOUD WATERLOO	
NWS	JB LEWIS MCCHORD	
POH	JB PEARL HARBOR HICKAM	
SAJ	CAMP BLANDING MAYPORT	
SAM	ANNISTON AD CAMP BLANDING COLUMBUS AFB NAS MERIDIAN PATRICK AFB	
SAS	CAMP LEJEUNE CHARLESTON AFB FORT BENNING MORRISVILLE POPE AAF SEYMOUR JOHNSON AFB	
SPK	DUGWAY FT HUNTER LIGGETT HILL AFB WEST JORDAN	
SPL	29 PALMS CAMP NAVAJO CAMP PENDLETON FORT HUACHUCA FORT IRWIN LOS ALAMITOS YUMA	
S\W/T		

POL-MCX Site Visit Look-Ahead

Q3FY18 LOOK-AHEAD		
USACE DISTRICT	SITE NAME(S)	
LRL	FORT CAMPBELL FORT KNOX GRISSOM ARB WRIGHT-PATTERSON YOUNGSTOWN	
NAB	ANDREWS AFB AASF PARKERSBURG FORT BELVOIR	
NAE	QUONSET ANGB	
NAP	DOVER AFB	
NAU	INCIRLIK AB	
NWO	CAMP RIPLEY MITCHELL FIELD USAF ACADEMY	
NWS	KLAMATH FALLS	
POJ	KADENA IWAKUNI OKINAWA	
SAC	MCRD PARRIS ISLAND	

Q3FY18 LOOK-AHEAD (CONT')			
USACE DISTRICT	SITE NAME(S)		
SAM	ARNOLD AFB BLOUNT ISLAND COLUMBUS AFB		
SAS	CAMP LEJEUNE CHERRY POINT DFSP CHARLESTON DFSP TAMPA		
SPK	BEALE AFB FT HUNTER LIGGETT		
SPL	CAMP PENDLETON DAVIS-MONTHAN AFB MCLB BARSTOW YUMA PROVING GROUND		
SWF	CANON AFB DYESS AFB FORT HOOD		
SWL	LITTLE ROCK AFB		
SWT	FORT SILL TULSA ANG		





<image>

PHOTOS CAPTIONS & CREDITS

Top Left: COL John Hudson, Omaha District Commander, delivering keynote speech. *Photo by G.Etter.*Top Right: Eric Bausch, POL-MCX civil engineer, discussing DoD fueling system designs and BIM integration. *Photo by G.Etter.*Bottom Left: Mary Azelton, Resident Engineer, discussing quality control and quality assurance. *Photo by G.Etter.*Bottom Middle: Dustin Scheuffele, POL-MCX mechanical engineer (right), leading workshop with Navy and Air Force. *Photo by G.Etter.*Bottom Right: Greg Etter, POL-MCX Program Manager, discussing POL-MCX fuels program. *Photo by L. Woscyna.*

Simplified Fuels Project Lifecycle

Understanding the fueling system project lifecycle and incorporating appropriate resources and stakeholders at each phase can improve the likelihood of a project being delivered on schedule, on budget, and with high quality.

The below simplified diagram illustrates the main phases and key stakeholders involved in a fuels project. Some activities were intentionally omitted in order to focus on the two primary funding pathways (Appropriated and Defense Working Capital) and key stakeholders.

Anyone interested in learning more about a specific activity or stakeholder in the below simplified fuels project lifecycle diagram are encouraged to reach out to the designated point of contact shown in the bottom-right, or contact the POL-MCX so that we may assist in identifying the most appropriate resource.



<u>Acronyms</u>

DWCF = Defense Working Capital Funds

FFEP = Fuels Facility Engineering Panel

- -- Develops & enforces DOD fuels design standards **POL-MCX** = Petroleum, Oils, and Lubricants MCX
- -- Mandatory for fuels projects executed by USACE **
- SCP = Service Control Points
 - -- Army Petroleum Center
 - -- Air Force Petroleum Office
 - -- Naval Petroleum Office

SRM = Sustainment, Restoration, Modernization

Points of Contact

DLA Capitalization = Mr. Ian Abraham (571-767-9344) DLA-Energy

- -- Air Force = Mr. Jim Tyrrell (571-767-7668)
- -- Army = Mr. Marshall Kennedy (571-767-7669) -- Navy = Mr. David "Stick" Douglas (571-767-1274)
- **DLA MILCON** = Mr. Scott Siegel (571-767-6491)

FFEP = Mr. John Wilkus (816-389-3227)

POL-MCX = Mr. Greg Etter (402-995-2180)

Service Control Points

- -- Air Force = Mr. John Anna (571-767-0731)
- -- Army = Mr. Randy Adams (571-767-1779)
- -- Navy = Ms. Lia Walton (571-767-7331)

HOW TO REACH US

Fueling Systems (POL-MCX) Center of Expertise US Army Corps of Engineers, Omaha District 1616 Capitol Ave, Suite 9000 Omaha, NE 68102-4901 Phone: 402-995-2180 E-mail: <u>POL-MCX.FUELS@usace.army.mil</u> Website:<u>http://www.nwo.usace.army.mil/Missions/SpecialProjects/FuelSystems.aspx</u>

Interview of the Quarter: Mr. Doug Larsen POL-MCX Specs Writer

Below we learn about Mr. Doug Larsen and his history with the POL-MCX.

What is your role in the POL-MCX?

I serve as the lead Specifications (Specs) writer for the POL-MCX. I am often the nexus between different disciplines, including construction, engineering, contracting, and management. My efforts help to provide the consistency in fueling system design and construction that is required by the end-users.

What do you enjoy most about your work?

The most satisfying part of my job is hearing that a project went smoothly for all involved with minimal mission impact. I've been with the Corps since 1981 and am still finding new lessons learned and requirements to incorporate into our specifications.

Is there a project that stands out more than others?

My most memorable projects are those where the team creates lasting memories together, like when a project manager jumps into a large puddle of water in Pennsylvania to keep the team focused, or when I receive small souvenirs from trips abroad.



What might someone be surprised to know about you?

I am heavily involved with my church's outreach activities and Type 1 diabetes awareness. I am incredibly proud of my children and their successful careers, and I wouldn't be where I am today without the love and support of my wife!

Doug Larsen, POL-MCX Specifications Writer. *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 78-24-28 "Pressurized Hydrant Fueling System Type III"

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

