

LEVEL II TRAINING



4 Construction Engineering Squadron

By: Lt Khakan Zulfiquar

4 Construction Engineering Squadron (4 CES) has been training successive rotations of High Readiness (HR) Construction Engineers (CE) for several years now. Originally driven by the need to send trained personnel to missions in Camp Mirage or Kandahar, CE Flts continue with this training on their RTHR to become part of the RCAF's HR Mission Support Element (MSE) which forms a large component of the newly created HR Air Expeditionary Wing (AEW).

Recently, 17 Wing CE Flt from Winnipeg conducted Level II training at 4 CES with 26 personnel visiting Cold Lake for twelve days. The current training program mandated by A4 CE, is designed to provide refresher training to CE personnel on camp bed down as well as to gain practical experience on a wide array of deployable equipment they can expect to operate and maintain in theatre. The visiting 17 Wing team were primarily made up of CE pers across the trades augmented by a handful of other support pers from 17 MSE. This latest Level II training continued recent efforts to provide adhoc training to a few select pers from the main MSE on specialized equipment/vehicles as well as allow others to begin quantifying the scale of the task necessary to push a 500 person camp worth of assets out the door come next spring for EX MAPLE RESOLVE 1401.

"...Level II training provides a great opportunity for personnel to work-on and practice with much of the deployable kit and camp equipment..."

- Lt Nathan Williams,
OPS O, 17 Wg CE



50 Pers Camp built by 17 Wg C Engrs in accordance with B-GL-361-012/FP-001, Oct 2013

50 Pers Camp complete with:

- ROWPU
- CoIPRO
- MEX 26
- Carre-four Tent
- MECC Shelters
- MLBU
- Generators



Pte Regnier, 17 MSE, getting qualified on the 50K forklift



Weatherhaven Rep instructing the Tactical Shower



WO Mark Hagan instructing the ROWPU



Cpl Keith Howard instructing the concrete screed



Sgt Bill Warford instructing the VCM



17 Wg pers setting up the COLPRO shelters during the camp build.

The group from 17 Wing arrived on 20 Oct 13 and spent the next twelve days receiving lectures, briefings and hands-on training on RCAF bed down equipment assets, many of which are only available here at 4 CES. These included the Reverse Osmosis Water Purification Units (ROWPU), the Fuel Supply and Distribution System (FSDS), High Pressure Aircraft Refuelling (HPAR), power generation and distribution systems, the Volumetric Concrete Mixer (VCM), refrigeration and cooling systems, and deployed fire fighting equipment. In addition, refresher training was also provided on various deployable large and small shelter systems (mod tents and Mex 26), familiarization training on the new ColPro (CBRN) system and both the Mobile Laundry and Bath Unit (MLBU) and the tactical shower units. The latter training was expertly led by Mr. Norman Nelson, a Field Service Rep from Weatherhaven who was hired through and funded by LCMM contracts held by staff within ADM(MAT)/DCSEM (thanks MWO Beaumier and Debbie Wright!).

The 17 MSE C Engr Flt Comd, Lt Nathan Williams, had this to say about the training, "Intended primarily as a refresher course for CE personnel, Level II training provides a great opportunity for personnel to work-on and practice with much of the deployable kit and camp equipment that they would otherwise be unlikely to see on a regular basis at the Wing." The culmination of the Level II training was the construction of a 50 Person Camp where all those involved (both CE and other support trades) erected a fully functional installation using all the knowledge and expertise gained during the first week of training. These same personnel will soon be back in Cold Lake building a much larger camp as they return next spring with the rest of the AEW and participate in EX MAPLE FLAG/ MAPLE RESOLVE.



17 Wg members pouring concrete using the VCM for the front footing of a C-Span

When all was said and done, the Level II training was a great success and resulted in better prepared CE tradesmen with greater knowledge and increased confidence on all those aspects covered over the two weeks. This will undeniably translate into a more successful 17 MSE CE Flt when the time comes for their HR validation exercise next spring or in the event they deploy on a future Operation. Well done to all and CHIMO!

Contact Us

Give us a call for more information about the Unit and courses.

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Member of the 17 Wg MSE standing in front of a ColPro