

# AFCESA A-GRAM



AIR FORCE CIVIL ENGINEER SUPPORT AGENCY

01-26

NOVEMBER 2001

## AIR FORCE QUALIFICATION TRAINING PACKAGE (AFQTP) VIDEO

### PAVEMENTS & CONSTRUCTION EQUIPMENT OPERATOR

#### SYNOPSIS:

We recently completed a new qualification training package audiovisual product – *Backhoe Operations – Excavate, Load, and Backfill Material, PIN 613955*. This 27-minute production was transferred to the US Army Visual Information Center (USAVIC) in Tobyhanna PA for automatic distribution to all Air Force civil engineer training managers. It supports the Air Force Qualification Training Program for home station training. This program presents standardized, procedural guidance on how to perform a specific task identified in the Specialty Training Standard portion of the Career Field Education and Training Plan.

This video covers step-by-step procedures for excavating below the surface with a backhoe. The program

begins by explaining what excavating means to Air Force civil engineers. It also identifies what paperwork must be obtained before any excavation can take place. An in-depth explanation of AF Form 103, Base Civil Engineering Work Clearance Request, and coordinating agencies are highlighted. Excavating without a Form 103 is dangerous and should never be done.

Backhoe setup at the excavation site ensures that you have a stable work platform. Different rear stabilizer placement situations are shown to cover various ground conditions. Boom, dipper stick, and bucket positioning is explained as the operator goes through a digging cycle. “Pinch Zone” hazard is also explained to keep operators from putting bystanders and themselves in a dangerous situation. After material is dumped and the excavation dug to the proper depth, procedures to move the backhoe forward from the rear seat are shown.

Load material techniques are explained to ensure proper connecting, con-

trol, and placement of a pipe in the ditch excavated by the backhoe. Safety precautions are stressed for both the operator and the person on the ground guiding the pipe in place.

The final portion of the video covers filling the excavation using the backhoe’s front bucket. Backfilling techniques are designed to keep the backhoe out of the ditch and cover the pipe without damaging it.

#### ACCESSIBILITY:

Initial distribution has been made. Additional copies of this and other training audiovisual products can be ordered from USAVIC/JVIA ATTN: ASQV-JVIA (USAF) Building #3, 11 Midway Road, Tobyhanna PA 18466-5102. A point of contact is Ms. Maria DiGenova, DSN 795-6543 or FAX 795-6106. Questions regarding home station training audiovisual product automatic distribution should be addressed to Mr. Ralph Gruber, HQ AFCESA/CEOF, and DSN 523-6181.

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