

# FORT RUCKER

## Environmental Document

### ENV-WA002: Soil Stockpiling and Borrow Pit Use (1 October 2017)

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#### 1.0 PURPOSE

This procedure defines the requirements for stockpiling excess soil that has been excavated on Fort Rucker in the appropriate location and for borrowing soil for use in projects on Fort Rucker. Soil that has been excavated cannot be removed from the installation unless deemed necessary by the DPW-ENRD Program Manager.

Control of environmental procedures is addressed in procedure ENV-P002, *Document Control*.

#### 2.0 SCOPE

This procedure applies to all excess soil excavated or borrowed soil on Fort Rucker. The requirements of this procedure are applicable to all military, civilian and contract personnel at Fort Rucker.

#### 3.0 DEFINITIONS

Term	Definition
ADEM	Alabama Department of Environmental Management
DPW-ENRD	Directorate of Public Works, Environmental and Natural Resources Division, located in Building 1121; Phone: 334-255-1658
Fill Material (Clay)	All unclassified fill material shall be "clean". This means all mixtures of unclassified fill material to road gravel must be at least 95% unclassified fill material. Concrete, rebar, wood or other foreign material will not be present in the material.
NPDES	National Pollutant Discharge Elimination System
Topsoil	All topsoil shall be "clean". This means no rocks greater than 2 inches, no concrete, no rebar, no wood or other foreign material. This topsoil material should be obtained from the top 12 inches of a natural soil profile and should contain 2-5% humus or decayed organic matter. Stockpiled topsoil should be capable of being used to grow vegetation and used in landscaping work. Topsoil is not unclassified fill material and contractors should grade the stockpile delivery accordingly and separately from other unclassified fill materials.

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#### 4.0 RESPONSIBILITIES

It is the responsibility of the military, civilian or contract personnel excavating or utilizing soil to follow these procedures.

#### 5.0 PROCEDURE

##### 5.1 Military, Civilian, or Contract Personnel

- 5.1.1 Coordinate with the DPW-ENRD Program Manager prior to the start of any project requiring soil to be borrowed or excavated on Fort Rucker. If it is determined that the on-post borrow pit will not provide the required volume of soil needed for the project or will not meet the compaction rates necessary, the military, civilian or contract personnel will be required to utilize an ADEM permitted borrow pit located off-post for the project. If it is determined that the amount of soil to be excavated cannot be successfully stockpiled on the installation, the military, civilian or contract personnel will be required to haul the excess to an off-post location that has been approved by the DPW-ENRD Program Manager.
- 5.1.2 Read this procedure and sign USAACE Form 2721, *Soil Stockpiling and Borrow Pit Use Agreement*, stating that it has been read and understood.
- 5.1.3 Identify excavated soil type and ensure it meets the definition of fill material or topsoil listed in Section 3.0 above.
- 5.1.4 If excavated soil does not meet either of the above definitions, the military, civilian or contract personnel will be required to haul the soil to an appropriate off post location that has been approved by the DPW-ENRD Program Manager.
- 5.1.5 Sign for the appropriate key utilizing the log book. Keys will be returned daily to the DPW-ENRD Program Manager during normal business hours (0700-1600).
- 5.1.6 For excavation operations, notify the DPW-ENRD Program Manager of any changes in soil type or excavation location. Coordinate with the DPW-ENRD Program Manager prior to beginning excavation to identify the correct area of the stockpile pit to place the soil.
- 5.1.7 Coordinate with the DPW-ENRD Program Manager to identify the correct area of the appropriate borrow pit to take soil from prior to digging.
- 5.1.8 Properly re-grade slopes at the finish of the project. It may be necessary to establish vegetative cover depending on the scope of the project. Requirements will be identified at the time of initial coordination for the project.
- 5.1.9 Any non-compliance to items addressed in this procedure may result in the inability to use stockpiling and borrowing locations. Removal of any inappropriate material

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that has been placed in borrow or stockpile locations will be at the expense of the responsible party.

#### 5.2 DPW-ENRD Program Manager

- 5.2.1 Verify that soil type meets definitions outlined in Section 3.0 above.
- 5.2.2 If there will be a shortage of borrow material for the construction project, verify that the identified off-post borrow pit location is permitted through ADEM.
- 5.2.3 Identify the appropriate stockpile or borrow pit location for the type of soil specific to the project.
- 5.2.4 Conduct periodic inspection of the stockpile and borrow pit areas as defined in ENV-WA001, *Stormwater Construction Inspection Program*.
- 5.2.5 Identify any non-compliance items to the project supervisor or foreman for correction.

#### 6.0 FORMS AND RECORDS

USAACE Form 2721, *Soil Stockpiling and Borrow Pit Use Agreement*

#### 7.0 REFERENCES

ENV-P002, *Document Control*

ENV-WA001, *Stormwater Construction Inspection Program*

ADEM Administrative Code 335-6-12, *National Pollutant Discharge Elimination System (NPDES) Construction, Noncoal/Nonmetallic Mining and Dry Processing less than Five Acres, Other Land Disturbance Activities, and Areas Associated with these Activities*

ADEM General NPDES Permit ALG890000 for Small Mining Operations