

Summary Report for Individual Task  
052-250-9103  
Develop the Environmental Appendix to the Engineer Annex  
Status: Approved

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**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD5** - This product/publication has been reviewed by the product developers in coordination with the Fort Leonard Wood, MO 65473 foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

**Condition:** You are an Engineer Staff Officer supporting a maneuver unit engaged in Unified Land Operations in the field. The maneuver element receives an OPORD or Directive from higher which initiates the Military Decision Making Process. You have access to all applicable references, the OPORD from higher, map with operational overlay(s), Geospatial products, and the scheme of maneuver from the supported maneuver force. This task should not be trained in MOPP 4.

**Standard:** Develop the Appendix 5-Environmental Considerations to Annex G (ENGINEER), in accordance with FM 6-0 to support the Commander's intent within the time constraints stated in the warning order or operation order.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Never

|                        |
|------------------------|
| <b>Task Statements</b> |
|------------------------|

**Cue:** None

|               |
|---------------|
| <b>DANGER</b> |
| None          |

|                |
|----------------|
| <b>WARNING</b> |
| None           |

|                |
|----------------|
| <b>CAUTION</b> |
| None           |

**Remarks:** None

**Notes:** None

## Performance Steps

1. Identify and articulate all the factors that comprise the "Situation" paragraph:

a. Enemy forces:

- (1) Terrain.
- (2) Weather.
- (3) Enemy functional area capability and/or activity.
- (4) Limiting factors.

b. Friendly Forces.

c. Attachments and detachments.

2. Identify and articulate the commander's concept for environmental action regarding the "Mission" paragraph.

3. Identify and articulate the factors that comprise the "Execution" paragraph:

a. Coordinating instructions:

- (1) Operational effect on the environment.
- (2) Environmental resource effect on the operation.
- (3) Compliance requirements.
- (4) Phased compliance.

b. Tasks to subordinate units:

(1) List functional area tasks that specific maneuver elements must accomplish which the base OPORD does not address.

(2) List functional area tasks units supporting maneuver elements must accomplish only as necessary to ensure unity of effort.

c. Scheme of environmental operations:

- (1) Environmental reconnaissance.
- (2) Environmental vulnerabilities.
- (3) Environmental assessments.
- (4) Occupation of base camps and rear assembly areas:

(a) An initial EBS will be conducted to determine the preexisting condition of the site and its ecological resources.

(b) Before departure or abandonment, units will ensure the performance of a final EBS to document the condition of the site, to include water sources, soil, flora, archaeological/historical facilities, air quality, and other environmental conditions.

(5) Facilities:

(a) Environmental baseline surveys.

(b) Operating procedures.

(c) Closure.

(6) Construction.

(7) Claims.

4. Identify and articulate the factors that comprise the "Service Support" paragraph:

a. Identify those environmental planning factors that, although not mandated as law or regulation, will support successful execution of the order/plan in all phases and protect the health and safety of U.S. forces, allied forces, and noncombatants:

(1) Potable water sources.

(2) Solid and liquid waste management:

(a) Solid waste.

(b) Human waste.

(c) Gray water.

(3) Medical waste.

(4) HM/HW management:

(a) HW management.

(b) HM management.

(c) Abandonment.

(d) Spill prevention/control procedures.

(5) Ecosystem protection.

(6) Air and noise emissions.

(7) Archaeological and historical preservation.

b. Logistics:

(1) HM management.

(2) Environmental considerations and services locations.

5. Identify and articulate the factors that comprise the "Command and Signal" paragraph:

a. Command. Identify the executive agent for environmental functions in each command post location. Specify responsibilities and levels for issuing guidance and waivers.

b. Signal. List environmental reporting instructions not specified in unit SOPs; identify the required reports, formats, times, and distribution lists.

6. Identify and develop all applicable Tabs regarding the operation:

a. Environmental Assessments.

b. Environmental Assessment Exemptions.

c. Environmental Baseline Survey.

d. Base Camp Closure Standards. (To be published)

e. Electronic Environmental Report Message Formats.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier "GO" if all required steps are passed (P). Score the Soldier "NO-GO" if any required step is failed (F). If the Soldier fails any step, show the Soldier how to do it correctly.

**Evaluation Preparation:** Ensure the Soldier has all items listed in the conditions statement. Brief Soldier prior to performance of this task.

| PERFORMANCE MEASURES   | GO | NO-GO | N/A |
|--|----|-------|-----|
| 1. Identified and articulated all the factors that comprise the "Situation" paragraph:   |    |       |     |
| a. Enemy forces.   |    |       |     |
| b. Friendly Forces.  |    |       |     |
| c. Attachments and detachments.  |    |       |     |
| 2. Identified and articulated the commander's concept for environmental action regarding the "Mission" paragraph.  |    |       |     |
| 3. Identified and articulated the factors that comprise the "Execution" paragraph:   |    |       |     |
| a. Scheme of environmental operations.   |    |       |     |
| b. Tasks to subordinate units.   |    |       |     |
| c. Coordinating instructions.  |    |       |     |
| 4. Identified and articulated the factors that comprise the "Service Support" paragraph:   |    |       |     |
| a. Identify those environmental planning factors that, although not mandated as law or regulation, will support successful execution of the order/plan in all phases and protect the health and safety of U.S. forces, allied forces, and noncombatants. |    |       |     |
| b. Logistics.  |    |       |     |
| 5. Identified and articulated the factors that comprise the "Command and Signal" paragraph:  |    |       |     |
| a. Command. Identify the executive agent for environmental functions in each command post location. Specify responsibilities and levels for issuing guidance and waivers.  |    |       |     |
| b. Signal. List environmental reporting instructions not specified in unit SOPs; identify the required reports, formats, times, and distribution lists.  |    |       |     |
| 6. Identified and developed all applicable Tabs regarding the operation:   |    |       |     |
| a. Environmental Assessments.  |    |       |     |
| b. Environmental Assessment Exemptions.  |    |       |     |
| c. Environmental Baseline Survey.  |    |       |     |
| d. Base Camp Closure Standards. (To be published)  |    |       |     |
| e. Electronic Environmental Report Message Formats.  |    |       |     |

**Supporting Reference(s):**

| Step Number | Reference ID | Reference Name   | Required | Primary |
|-------------|--------------|--|----------|---------|
|             | ADRP 5-0     | The Operations Process   | No       | No      |
|             | ATP 3-34.22  | ENGINEER OPERATIONS - BRIGADE COMBAT TEAM AND BELOW  | No       | No      |
|             | FM 3-34      | Engineer Operations<br><a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm3_34.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm3_34.pdf</a> | No       | Yes     |
|             | FM 3-34.5    | Environmental Considerations   | Yes      | Yes     |
|             | FM 6-0       | COMMANDER AND STAFF ORGANIZATION AND OPERATIONS  | Yes      | Yes     |
|             | JP 3-34      | Joint Engineer Operations  | No       | Yes     |
| 1.          | FM 3-34.5    | Environmental Considerations   | Yes      | Yes     |
| 2.          | FM 3-34.5    | Environmental Considerations   | Yes      | Yes     |
| 3.          | FM 3-34.5    | Environmental Considerations   | Yes      | Yes     |
| 4.          | FM 3-34.5    | Environmental Considerations   | Yes      | Yes     |
| 5.          | FM 3-34.5    | Environmental Considerations   | Yes      | Yes     |
| 6.          | FM 3-34.5    | Environmental Considerations   | Yes      | Yes     |

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful

effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None

**ICTL Data :**

| <b>ICTL Title</b>                                | <b>Personnel Type</b> | <b>MOS Data</b>                    |
|--|-----------------------|------------------------------------|
| Engineer Captains' Individual Critical Task List | Officer               | AOC: 12A, Rank: CPT, Duty Pos: AAA |
| ICTL for Engineer Officers (Captains)            | Officer               | AOC: 12B, Rank: CPT, Duty Pos: AAA |