

CRM LESSON PLAN REPORT
INFORM LEADERS OF RELEVANT ENVIRONMENTAL LAWS
052-ENV-0028 / 4 ©

Approved
05 Mar 2020

Effective Date: 05 Mar 2020

SCOPE:

None

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

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Ft. Leonard Wood, MO foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

SECTION I. ADMINISTRATIVE DATA

All Course Masters/POIs Including This Lesson

Courses

<u>Course Number</u>	<u>Version</u>	<u>Title</u>	<u>Phase</u>	<u>Status</u>
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None

POIs

<u>POI Number</u>	<u>Version</u>	<u>Title</u>	<u>Phase</u>	<u>Status</u>
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None

Task(s) Taught(*) or Supported

<u>Task Number</u>	<u>Task Title</u>	<u>Status</u>
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Individual

052-250-0028 (*)	Inform Leaders of Relevant Environmental Laws	Approved
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Reinforced Task(s)

<u>Task Number</u>	<u>Task Title</u>	<u>Status</u>
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Knowledge

<u>Knowledge Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
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052-K-00248	Code of Federal Regulations and Environmental Laws	Yes	Yes
052-K-00251	Host-Nation Environmental Laws	Yes	Yes
052-K-00252	The Army Strategy for the Environment	Yes	Yes
091-K-00006	The Army Environmental Program	Yes	Yes

Skill

<u>Skill Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
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101-S-0001	Ability to Identify Potential Environmental Hazards	Yes	Yes
S0608	Ability to Read and Comprehend, and Comply with Environmental Considerations	Yes	Yes
S0464	Ability to locate all required laws at federal, state, local, or host nation level	Yes	Yes

Administrative/ Academic Hours

The administrative/academic (50 min) hours required to teach this lesson are as follows:

<u>Academic</u>	<u>Resident Hours / Methods</u>		
Yes	2 hrs	10 mins	Lecture

Total Hours(50 min):	2 hrs	10 mins
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Instructor Action Hours

The instructor action (60 min) hours required to teach this lesson are as follows:

Hours/Actions

Total Hours (60 min):	0 hrs	0 mins
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Test Lesson(s)

<u>Hours</u>	<u>Lesson Number Version</u>	<u>Lesson Title</u>
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None

Prerequisite Lesson(s)

<u>Hours</u>	<u>Lesson Number Version</u>	<u>Lesson Title</u>
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None

Training Material Classification

Security Level: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Foreign Disclosure Restrictions

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References

<u>Number</u>	<u>Title</u>	<u>Date</u>
AR 11-35	DEPLOYMENT OCCUPATIONAL AND ENVIRONMENTAL HEALTH RISK MANAGEMENT	11 May 2016
AR 200-1	ENVIRONMENTAL PROTECTION AND ENHANCEMENT	13 Dec 2007
ATP 3-34.5	Environmental Considerations	10 Aug 2015
CFR 40	(SUPERSEDED) Environmental Protection Agency Code of Federal Regulations Title 40, Protection of Environment	01 Jul 2000
DOD 4715.05-G	Overseas Environmental Baseline Guidance Document.	01 May 2007

Student Study Assignment

None

Instructor Requirements

None

Support Personnel Requirements

None

Additional Support Personnel Requirements

<u>Name</u>	<u>Student Ratio</u>	<u>Qty</u>	<u>Man Hours</u>
None			

Equipment Required for Instruction

<u>ID - Name</u>	<u>Student Ratio</u>	<u>Instructor Ratio</u>	<u>Spt</u>	<u>Qty</u>	<u>Exp</u>
None					

Materials Required

Instructor Materials:

None

Student Materials:

None

Classroom, Training Area, and Range Requirements

None

Ammunition Requirements

<u>DODIC - Name</u>	<u>Exp</u>	<u>Student Ratio</u>	<u>Instruct Ratio</u>	<u>Spt Qty</u>
None				

Instructional Guidance/Conduct of Lesson

NOTE: Before presenting this lesson, instructors must thoroughly prepare by studying this lesson and identified reference material.

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**Proponent Lesson
Plan Approvals**

<u>Name</u>	<u>Rank</u>	<u>Position</u>	<u>Date</u>
Bruce Travis	Not available	Approver	05 Mar 2020

SECTION II. INTRODUCTION

Method of Instruction: Lecture
Mode of Delivery: Resident Instruction
Instr Type (I:S Ratio): Civilian - ICH (1:30)
Time of Instruction: 5 mins

Motivator

Ensuring leaders understand and are informed of environmental standards will ensure the health of the Soldiers are taken care while protecting the force.

Terminal Learning Objective

NOTE. Inform the students of the following Terminal Learning Objective requirements.

At the completion of this lesson, you [the student] will:

Action:	Inform Leaders of Relevant Environmental Laws
Conditions:	Given a classroom environment, this lesson, and access to required reference material.
Standards:	Inform leaders on integrating Federal, State, Local, Host Nation, U.S. Army regulations and policies in daily activities to protect the Soldier's health and environment.
Learning Domain - Level:	None assigned
No JPME Learning Areas Supported:	None

Safety Requirements

Low, in a classroom environment.

Risk Assessment Level

None

Environmental Considerations

NOTE: Instructor should conduct a risk assessment to include environmental considerations IAW the current environmental considerations publication, and ensure students are briefed on hazards and control measures.

None, in a classroom setting.

Instructional Lead-in

We must look at environmental laws and regulations on an individual level and from the leader's perspective.

SECTION III. PRESENTATION

TLO - LSA 1. Learning Step / Activity TLO - LSA 1. Identify the Army Environmental Strategy.

Method of Instruction: Lecture

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Civilian - ICH (1:30)

Time of Instruction: 15 mins

Media Type: Computer Assisted Instruction

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

- a. Foster Sustainable Ethics.
- b. Strengthen U.S. Army Operations.
- c. Meet Testing, Training and Mission Requirements.
- d. Minimize Environmental Impacts and Ownership Costs.
- e. Enhance Soldiers and Civilians Well-Being.
- f. Drive Environmental Innovation.

Check on Learning: Ask students to identify the Army environmental strategy and correct as necessary.

Review Summary: Summarize identify the Army environmental strategy and answer questions as necessary.

TLO - LSA 2. Learning Step / Activity TLO - LSA 2. Present Sources of Requirements.

Method of Instruction: Lecture

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Civilian - ICH (1:30)

Time of Instruction: 40 mins

Media Type: Computer Assisted Instruction

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

- a. United States sources are Federal, State, DoD, Army, Local and Installation.
 - (1) The National Environmental Policy Act (NEPA) 1969 requires agencies to consider the environmental affects of proposed actions when federal resources are used. It's known as the "umbrella" law as it encompasses other environmental laws.
 - (2) Resource Conservation and Recovery Act (RCRA) 1976 which governs the management of waste; known as the "cradle to grave" act. Whoever generates the waste is responsible for it until it's properly disposed.
 - (3) Clean Water Act (CWA) 1972 (amended 1977) governs the discharge of pollutants into bodies of water; affects on ground water, storm water, surface water (lakes, rivers and streams), marshes, swamps, wetlands, costal areas and navigatable waterways.
 - (4) Clean Air Act (CAA) 1970 (amended 1977 and 1990) which requires prevention, control and abatement of air pollution from stationary and mobile sources.
 - (5) Endangered Species Act (ESA) 1973, protects threatened and endangered plants and animals (include fish, insects and invertebrates).
 - (6) Noise Control Act 1972 promotes an environment for all personnel free from noise

that jeopardizes their health and welfare.

(7) Emergency Planning and Community Right to Know Act (EPCRA) 1986 informs communities of potential chemical hazards. It was originally applied to industry but extended to federal facilities and DoD. Must plan for emergency of hazardous material release or spills, submit nonclassified hazardous material inventories, release of reportable quantities and must submit annual reports of hazardous material releases. Soldiers must be trained in spill prevention, response and cleanup, maintain inventories and safety data sheets (SDS), and comply with installation spill contingency plan.

(8) Pollution Prevention Act 1990 which prevents or reduces pollution at the source. A Soldier complies by recycling, treating pollution in an environmentally safe manner and by disposing or releasing pollutants into the environment in an environmentally safe manner.

(9) National Historic Preservation Act (NHPA) 1966 (amended 2006) protects historical, archeological, cultural resources and artifacts.

b. Contingency Operations sources are the Environmental Appendix to Engineer Annex of OPORD, Combatant Commands Directive and policies, Executive Order and DoD Policies, and Host Nation Laws.

(1) Contingency Operations Requirements are location dependent, have primary sources such as environmental appendix 6 to engineer annex L of the relevant Army OPORD/OPLAN, FRAGO, other sources and references.

State and Local Laws, Installation and Unit Policies.

1. Each state has its own regulatory agency, and a state's regulations may be more stringent than federal regulations

2. Municipalities may place more stringent local restrictions

3. When state or local regulations differ from federal regulations, installations should apply the most stringent

4. Comply with installation environmental policies and unit SOPs

AR 200-1

1. Environmental Protection and Enhancement

2. Implements federal, state, and local laws and DoD policies related to the environment

3. Applies to all Army organizations & agencies and tenants, contractors, & lessees on Army property; Army activities and operations even when performed off installations; and excess properties managed by the Army

4. Installations and facilities in foreign countries will comply with requirements of AR 200-1 that specifically prescribe overseas requirements

5. Remember...32 CFR 651 (NEPA) is aka AR 200-2

ATP 3-34.5

1. Environmental Considerations, 2015

2. Develop and implement environmental programs and standard operating procedures

3. Applies to Active Army, Army National Guard, Army Reserve, and Marine Corps commanders and staffs at ALL echelons of command
4. Applies to United States unilateral operations and forces in multinational operations; U.S. & overseas applicability

Check on Learning: Ask students the present sources of requirements and correct as necessary.

Review Summary: Summarize present sources of requirements and answer questions as necessary.

TLO - LSA 3. Learning Step / Activity TLO - LSA 3. Overseas Requirements.

Method of Instruction: Lecture

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Civilian - ICH (1:30)

Time of Instruction: 45 mins

Media Type: Computer Assisted Instruction

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Base Camps/Contingency Operations

Location-dependent

Primary sources

Appendix 6 (Environmental) to Annex G (Engineer) of the relevant **Army**

OPORD/OPLAN Sample in ATP 3-34.5 (Appendix D)

Annex L to relevant **Joint** OPORD/OPLAN

FRAGO

Host Nation, International, SOFA/FGS

Regulations within Combatant Commands...

OEBGD

Often used as the initial source of guidance and superseded by later agreements

Provides a minimum standard applicable to overseas DoD installations for protecting human health and the environment

Applies to **installations outside** the United States, its territories, and possessions (does not cover contingency operations in hazardous areas)

Air, Water, HM, Waste, POLs, NR, etc.

Host Nation

Host Nation Laws & Regulations

International Laws & Treaties

Example:

BaselConvention(restrictions with HW shipping)

Location-dependent

Convention on International Trade in Endangered Species(Applies regardless of location) Status of Forces Agreement (SOFA) & Final Governing Standard (FGS)

Environmental compliance standards developed for a specific country or area; considers

HN laws/regs

Consult JAG

Eos and DoD

Executive Orders are tools the President uses to manage agencies and organizations within the Executive Branch of the US Government and can apply to **overseas**

installations

Directives (DoDD), Instructions (DoDI), Policies, Memorandums, etc.

Most deal directly with *enduring overseas installations* but not temporary/deployed locations

Exception: DoDI4715.19:Use of Open Air Burn Pits in **Contingency Operations**

NATO

EP = Environmental Protection

Policy (responsibilities, applicability, principles, policies)

STANAG = Standardization Agreement

Doctrine (participating nations agree to standards)

AJEPP = Allied Joint Environmental Protection Publication

Standard (the details/specifics)

STANAG 7141 AJEPP-4 EP NATO-led military activities

STANAG 2510 AJEPP-5 Waste Management

STANAG 2581 AJEPP-1 EP Standards and Norms

STANAG 2582 AJEPP-2 EP Best Practices

STANAG 2583 AJEPP-3 Environmental Man. System

Check on Learning:

Ask the students how to comply with the Overseas Environmental Baseline Guidance Document and correct as necessary.

Review Summary:

Summarize comply with the Overseas Environmental Baseline Guidance Document and answer questions as necessary

SECTION IV. SUMMARY

Method of Instruction:	Lecture
Mode of Delivery:	Resident Instruction
Instr Type(I:S Ratio):	None
Time of Instruction:	5 mins

Check on Learning

Ask students what are some of the relevant environmental laws leaders should be informed of, correct as necessary.

Review/ Summary

Summarize informing leaders of relevant environmental laws and answer questions as necessary.

SECTION V. STUDENT EVALUATION

Testing Requirements

NOTE: Describe how the student must demonstrate the accomplishment of the TLO. Refer student to the Individual Student Assessment Plan.

Feedback Requirements

NOTE: Feedback is essential to effective learning. Schedule and provide feedback on the evaluation and any information to help answer students' questions about the test. Provide remedial training as needed.

Appendix A - Viewgraph Masters

**Inform Leaders of Relevant Environmental Laws
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Sequence	Media Name	Media Type
None		

Appendix B - Assessment Statement and Assessment Plan

Assessment Statement: None.

Assessment Plan: None.

Appendix C - Practical Exercises and Solutions

PRACTICAL EXERCISE(S)/SOLUTION(S) FOR LESSON 052-ENV-0028 Version 4 ©

Appendix D - Student Handouts

**Inform Leaders of Relevant Environmental Laws
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Sequence	Media Name	Media Type
None		

Appendix E - TRAINER'S LESSON OUTLINE

Inform Leaders of Relevant Environmental Laws

052-ENV-0028 / Version 4 ©

Effective Date: 05 March 2020

1. The importance of this lesson: (Why)

Inform Leaders of Relevant Environmental Laws

2. What we want our Soldiers to Achieve: (Outcomes/Standard)

Inform leaders on integrating Federal, State, Local, Host Nation, U.S. Army regulations and policies in daily activities to protect the Soldier's health and environment.

3. Tasks to be taught

<u>Task Number</u>	<u>Task Title</u>	<u>Task Type</u>
052-250-0028	Inform Leaders of Relevant Environmental Laws	Individual TAUGHT

Additional Non-Standard Tasks

None

4. References:

<u>Reference Number</u>	<u>Reference Title</u>	<u>Date</u>
AR 11-35	DEPLOYMENT OCCUPATIONAL AND ENVIRONMENTAL HEALTH RISK MANAGEMENT	11 May 2016
AR 200-1	ENVIRONMENTAL PROTECTION AND ENHANCEMENT	13 Dec 2007
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CFR 40	(SUPERSEDED) Environmental Protection Agency Code of Federal Regulations Title 40, Protection of Environment	01 Jul 2000
DOD 4715.05-G	Overseas Environmental Baseline Guidance Document.	01 May 2007

Additional Non-Standard References

None

5. Resources

TIME: Time of Instruction: 2 hrs 10 mins

LAND: Classroom, Training Area, and Range Requirements

<u>Id</u>	<u>Name</u>
None	

AMMO: Ammunition Requirements

<u>DODIC</u>	<u>Name</u>
None	

MISC: Materiel Items and TADSS Requirements

<u>Id</u>	<u>Name</u>
None	

Additional Non-Standard Resources

None

6. A possible technique to achieve the outcome:

None

7. Conduct AAR with Soldier and Cadre.

None

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