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## **11.0 ENVIRONMENTAL BRIEFINGS, ORIENTATION AND EDUCATION PROGRAM**

### **11.1 INTRODUCTION**

The Project will develop, establish and maintain an Environmental Briefings, Orientation, and Education (EBOE) Program.

The purpose of the EBOE Program is to provide the Project management and labor force with the knowledge to perform the Project work in a manner that complies with:

- State of Alaska statutes, regulations and policies pertaining to the protection of fish, wildlife and other environmental resources.
- Project-specific stipulations, permit conditions and requirements identified by regulatory and permitting agencies.
- The Project Environmental Protection Programs.
- The Project Environmental Policies.

The EBOE Program will operate through the life of the project, beginning with planning and design, and extending through construction, operation, maintenance and eventual decommissioning of the Project. The highest level of activity for the EBOE Program will take place during construction, when large numbers of construction workers, supervisors, and manager will be involved. During the planning and design phase, the EBOE Program will be necessary to orient, brief and educate field crews that will be performing surveys for engineering, environmental and other programs. After construction, the EBOE Program will be implemented for the Rehabilitation phase to guide Project employees and rehabilitation contractors in their work. During operation and maintenance of the Project, employees will participate in the Program.

### **11.2 CRITERIA**

#### **11.2.1 General Project Criteria**

The general Project criteria for development of methodologies for environmental briefings, orientation, and education include:

- Project Quality Program
- Project Environmental Policy
- Project Environmental Management Program

### 11.2.2 Statutes, Regulations and Other Applicable Authorities

- 18 CFR 380.12, “FERC’s Environmental Reports for Natural Gas Act Applications,” and FERC environmental policy guidelines thereunder;
- Federal Right-of-Way Grant for the Alaska Natural Gas Transportation System Alaska Segment, Serial No. F-24538 (December 1, 1980), as such may be updated and/or amended from time to time.
- Federal Energy Regulatory Commission conditional certificate of public convenience and necessity, issued on December 16, 1977, as such is finalized.

### 11.2.3 Applicability

The EBOE Program will be applicable to all Project personnel, including employees, agents, contractors, subcontractors, and their employees.

## 11.3 METHODOLOGIES

### 11.3.1 Environmental Briefings, Orientation and Education (EBOE) Plan

The Project will prepare an EBOE Plan that will serve as a guide to the implementation of the EBOE Program and defines the structure and the functions of the EBOE Program. The Project will coordinate with the Alaska Department of Fish and Game (ADFG), Alaska Department of Environmental Conservation (ADEC), and Alaska Department of Natural Resources (ADNR) in the development of the EBOE Plan.

The Plan will identify the tools for developing and implementing the EBOE Program, including:

- A Briefing Program consisting of:
  - Daily “tailgate” briefings presented by the Environmental Management Program (EMP) staff to summarize important environmental protection issues for the day’s work, to review the previous workdays events pertaining to environmental protection.
  - The environmental briefings will be held at the beginning of the workday and take approximately 10 minutes.
  - The briefings will be coordinated with daily health and safety briefings.
  - At the end of each Briefing, time will be allowed for questions and answers.
  - Recognition of individual workers or crews for important achievements related to environmental protection in the course of their work.
  - Documentation of attendance and the topics covered via the EMS.
- An Orientation Program to be attended by all Project managers, supervisors and workers consisting of:

- A video presentation instructing all workers about:
  - The environmental resources that the Project will involve and why protection of these resources is relevant and important to the Project and the people of Alaska.
  - The rules and regulations related to environmental issues that workers must observe during their work on the Project.
  - The punishments that workers will receive and the implications to the Project if they violate the rules and regulations.
  - The video will be approximately 30 minutes in length.
    - Lecture topics and visual aids for providing a “classroom teaching” style orientation that includes time for questions and answers.
    - A Project Environmental Reference Guide pocketbook that summarizes the major points of the environmental orientation program for workers to keep.
    - A certification including a badge or sticker for workers to carry that indicates their participation in the environmental orientation program.
    - Documentation of attendance and certification via the EMS.
- An Education Program consisting of:
  - Posters and other visual aids to convey information about environmental protection and compliance.
  - Environmental issue-related videos, educational or documentary, on Alaska and the arctic in general, that will be part of the camp recreation program. Viewing will be voluntary. (Attachment A provides is a list of potentially useful movies.)

### 11.3.2 Environmental Briefings

Environmental briefings will consist of daily “tailgate” briefings presented by the Environmental Team staff to summarize important environmental protection issues for the day’s work, to review the previous workdays events pertaining to environmental protection. The briefings will be coordinated with daily health and safety briefings held at the start of each workday. Routine briefings are expected to take about 10 minutes. At the end of each Briefing, time will be allowed for questions and answers. The briefings will include recognition of individual workers or crews for important achievements related to environmental protection in the course of their work. Attendance and the topics covered during the briefings will be documented using the EMS.

### 11.3.3 Environmental Orientation

The Environmental Orientation will be a formal standardized program presented to all Project managers, supervisors and workers at designated locations prior to entry into the field to begin actual work. Table 3-1 presents a list of the topics to be discussed in the Environmental Orientation.

Attendance at the Environmental Orientation will be required for all managers, supervisors and workers involved with the Project. This includes management, supervisors, craft personnel, camp staff (e.g., cooks and vehicle mechanics) and support staff. This program will be ready for implementation prior to mobilization for major field activity. Project pre-construction field activities personnel will be required to participate in the orientation program also.

The primary visual aid for the Environmental Orientation will be a professionally produced Project-specific video presented in segments and punctuated by discussion to maintain interest and better cover specific topic areas. The primary objective of the movie will be to advise employees of the environmentally based laws, regulations and stipulations, and their associated penalties. Secondly, the program will inform the audience of the reasons for the restrictions, the value of existing resources and the environmental impacts that can result from ignoring basic common sense principles in Alaska. The movie as well as the entire program will be under continual review and updated as needed to reflect field experience and feedback from field monitoring personnel.

An important component of the orientation program will be to prevent the unlawful feeding of game as defined in Alaska law (5 AAC92.230). The Alaska Department of Fish and Game also has a policy on waste management and bears in Alaska (October 1, 2001). These requirements and the potential punishments will be highlighted during the orientation program.

The Environmental Reference Guide will be developed to cover topics presented in the formal Environmental Orientation briefing and will include several related topics of general interest. Objectives of the manual are to reinforce information presented during the briefing and to provide a reference source for workers throughout their employment on the project. In order to realize these objectives, the manual must include useful information and be in a format, which will encourage the employee to keep it handy and refer to it often. Maps of the Project area will be included.

Ten to fifteen minutes will be set-aside at the end of each Environmental Orientation session to respond to individual questions. Staff members from various disciplines will be available to respond to specific questions.

The Environmental Orientation will be subject to a Quality Assurance review for content and effectiveness of presentation. Quality Assurance will audit attendance control procedures and records. In addition to the quality controls, the Environmental Orientation program will be subject to continuous evaluation and periodic updates as the need arises.

Periodically, specialized sessions will be presented and based on a particular type of work related activity. An example would be aircraft restrictions, which are specific only to pilots of helicopter or fixed wing aircraft. These specialized sessions would be presented in addition to the Environmental Orientation.

Briefing seminars will be presented for specific reasons, such as an outbreak of rabies, and normally in response to a particular localized problem. Topics can also be related to a specific type activity, which could result in serious environmental impacts.

There are many environmental-related movies, educational or documentary, on Alaska and the arctic in general, that will be used in this program. (Attachment A is a list of potentially useful videos). In addition there numerous contemporary videos on environmental education that will

be identified and included as appropriate in the education program. These videos will be part of the camp recreation program and viewing will be voluntary.

Posters will be used to emphasize specific topics and will include, among others, feeding of carnivores, used oil, fuel spills, vehicle restrictions, hunting and fishing restrictions, and cultural resources. Posters should be periodically updated, replaced and relocated to draw attention of the workers.

#### 11.3.4 Pre-Construction Environmental Guide

The EBOE Plan will be implemented for pre-construction work for field surveys and other field activities. A Pre-Construction Environmental Guide will be developed that describes the rules for various work activities that are anticipated for this phase (e.g., land survey, field studies, geotechnical drilling, equipment testing).

### 11.4 FIGURES AND TABLES

Table 11.1 - Topics for Environmental Orientation

**Table 11.1**  
**Topics for Environmental Orientation**

Human-Wildlife Interactions	Restoration Plans
Animal Proofing Food and Garbage Storage	Storage and Reuse of Organics
Musk Oxen	Revegetation
Carnivore Feeding	Cultural Resources
Dangerous Wildlife	Native Cultures
Use of Fences	Historic Resources
Wildlife Harassment	Archaeological Site
Wildlife Related Diseases	Archaeological Notifications
Hunting - Fishing – Trapping Laws	Cultural Resource Site Protection Laws
Game Feeding Regulations	Litter and Waste Disposal
Nuisance or Threatening Wildlife	Noncombustibles
Sensitive Wildlife Areas	Combustibles
Fisheries	Putrescibles
Maintaining Cross Drainage in Streams	Litter
Protection of Over-Wintering Habitats	Oil and Hazardous Substances
Gravel Mining in Fish Habitat	Animal Proofing Storage of Petroleum, Oils, Lubricants and Glycols
Water Resources	Container Disposal
Drinking Water	Spill Reporting Requirements and Procedures
Land Clearing Operations	Spill Cleanup Requirements, Basic Principles, and Procedures
Vehicles and Equipment in Water	Policies Concerning Capture and Treatment of Oiled Wildlife
Pumping Operations	Air Quality
Ditch Dewatering – Siltation	Open Burning
High Pressure Discharges	Fugitive Dust
Culvert Installation	Wildlife Life Histories
Construction Practices in Frozen Soils	Musk Oxen
Description of Permafrost Soils	Fish Life Histories
Access Routes for Equipment	
Procedures for Stopping	
Special Procedures for Avoiding Damage	
Rehabilitation Procedures	
Rehabilitation Responsibilities	
Vehicle Restrictions	

(This list will be updated prior to implementation of the orientation program)

## 11.5 BIBLIOGRAPHY

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- Alaska Department of Fish and Game, Habitat Protection Section, Pipeline Surveillance Office. July 1, 1980. "Sensitive Wildlife Areas of the Northwest Alaskan Gas Pipeline Corridor."
- Alaska Department of Fish and Game, Hunting, Fishing and Trapping Regulations.
- Alaska Statutes, Title 16 Fish and Game, September 1977.
- Alaska Statutes, 5 AAC 92.230 (Feeding of Game).
- Federal Right-of-Way Grant, Number F-24538, Exhibit A, "Stipulations for the Alaskan Leg of the Alaska Natural Gas Transportation System." ), as such may be updated and/or amended from time to time.
- Fluor-Northwest, Inc. "Standard Guidelines For Pre-construction Field Programs."
- Follmann, E. H., R. A. Dietrich, J. L. Hechtel. October 1980. Recommended Carnivore Control Program for the Northwest Alaskan Pipeline Project Including a Review of Human-Carnivore Problems and Animal Deterrent Methodology. Final Report.
- Leicht, R. C. June 1980. Alaska's Cultural Resources U.S. Department of Interior, Bureau of Land Management.

## 11.6 ATTACHMENTS

Attachment A - List of Potentially Useful Videos

**Attachment A**

**List of Potentially Useful Videos**

<b><u>Title/Subject</u></b>	<b><u>Location of Video</u></b>
A Pipeline- and Animals (APSC)	Valdez Lib Video Vct 869 C.1
Alaska Highway Wildlife	AML Loussac VHS 917.98
Alaska Wildlife	AML Loussac VHS 591.9798
Alaska, The Last Frontier	AML Loussac VHS 917.98
Alaska: Spirit of the Wild	AML Loussac VHS 917.98
Alaska: Spirit of the Wild	UAA Kodiak DVD Doc 38
Alaskan Brown Bears at McNeil River Sanctuary	AML Muldoon Branch VHS 599.784
Alaska's Grizzlies	AML Loussac VHS 599.74446
Alaska's Inside Passage	AML Loussac VHS 917.982
Alaska's Special Areas (ADF&G)	ARLIS Media -- Video Qh105.A436
Alaska's Whales And Wildlife	AML Loussac VHS 591.9798
Alaska's Wildlife: An Inside Glimpse (ADF&G)	U of A Ql161.A427 1997 C.1
America's Wilderness. Alaska	AML Loussac VHS 917.98
Arctic National Wildlife Refuge	Valdez Lib Video Vct 410 C.1
Arctic Refuge: A Vanishing Wilderness?	ARLIS Media G608.A73 1992
Bering Sea, Twilight of the Alaskan Hunter	AML Loussac VHS 551.46
Bird Mortality: With John Piatt, Wildlife Biologist	ARLIS Vid-00150
Bird TLC: Understanding The Need	ARLIS Media Video Ql676.56.A4b57 1990
Chain of Life: The Aleutian Islands	AML Loussac Fak 0646
Creating the Image of ANWR	Valdez Lib Media Vcs 063 Ref
Denali Wilderness	AML Loussac Fak 0669
Denali Wilderness	AML Loussac VHS 591.97983
Eagle Rehabilitation Center, Tape 1	ARLIS Vid-00147
Eagle Rehabilitation Center, Tape 2	ARLIS Vid-00148
Eagle Rehabilitation Center, Tape 3	ARLIS Vid-00149
Eagle Release	ARLIS Vid-00068
Exploring Alaska's Marine Highway	AML Loussac VHS 917.982
Images of Alaska	AML Loussac VHS 917.98
Marine Mammal Management	Valdez Lib Video Vct 403 C.1
One Man's Alaska	AML Loussac Fak 0667
Rats: Threat to Alaska's Island Wildlife	ARLIS Media -- Video Ql737.R66r38 1997
The Alaska Experience	AML Loussac VHS 917.98
The Best Of Alaska	AML Loussac VHS 917.98
The National Wildlife Refuges of Alaska	AML Loussac VHS 333.95416
Voices from the Ice	AML Chugiak Eagle River VHS N 917.983
Voices of the Sound	ARLIS Media Video Qh91.8.O4v553 1989
Waters of Alaska	AML Loussac VHS 917.98
Way of the Bear in Alaska	ARLIS Media -- Video Ql737.C273w39
Wildlife Research in Alaska (ADF&G)	ARLIS Media -- Video Ql161.A53 1997

**Videos (cont'd)**

**Title/Subject**

**Source**

Trans-Alaska Pipeline Tour

ARLIS Vid-00139

Golden Rails: An Alaskan Goldrush Railroad

AML Loussac VHS 625.1009798

United States Geography: Alaska and Hawaii

AML Loussac Fdc 1001

Early Days Ago: The Alaska Native Struggle

Valdez Lib Ves 354 Ref C.1

Tubughna, the Beach People

AML Loussac VHS 970.4983

Uncle Sam's Men

AML Loussac VHS 940.5403

(These videos will be evaluated for use in the OBE Program in coordination with the copyright owner.)