


ALASKA LNG PROJECT	DOCKET No. CP17-__-000 RESOURCE REPORT No. 9 APPENDIX K – OPEN BURNING PLAN (DRAFT TABLE OF CONTENTS)	Doc No: USAI-PE-SRREG-00- 000009-000 DATE: APRIL 14, 2017 REVISION: 0
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**APPENDIX K OPEN BURNING PLAN
(DRAFT TABLE OF CONTENTS)**



OPEN BURNING PLAN

USAI-PE-SRREG-00-000009-011

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Plan Status

The following Alaska LNG Project (Project) *Open Burning Plan* (Plan) is consistent with a typical Open Burning Plan for construction of Federal Energy Regulatory Commission (FERC) projects. The following Plan outlines the general sections that would be required. Site/activity-specific plans won't be able to be developed until construction contractors are appointed. The Plan would be finalized prior to construction and used by construction contractors to develop a Plan specific to their construction responsibilities, as applicable.



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1.0 INTRODUCTION

Wildfire prevention and suppression during construction is addressed in the Alaska LNG Project's (Project's) *Fire Prevention and Suppression Plan* located in Resource Report No. 8, Appendix G. This *Open Burning Plan* (Plan) identifies measures to be taken by the Project entity and its Construction Contractor(s) (Contractor) during construction for controlled burning activities to ensure that burning of woody debris and other open fires from construction are carried out in accordance with federal, state, and local regulations, as well as landowner requirements pertaining to fire protection during open burning operations.

1.1 OBJECTIVES

There are two basic concerns with open burning:

1. Ensuring that the fire does not spread and become a wildfire.
2. Ensuring that open burning does not cause air pollution that creates a health hazard or a public nuisance.


The purpose of this Plan is to provide all Project entity staff and stakeholders with a description of the fire control and management measures that would be implemented during open burning activities conducted during construction of the Project.

1.2 REGULATORY FRAMEWORK

The Alaska Department of Natural Resources (ADNR) is responsible for regulations and permits to address fire safety. The Alaska Department of Environmental Conservation (ADEC) is responsible for regulations and permits to address environmental protection and air quality.

Open burning is regulated by the ADEC Division of Air Quality, Air Permits Program, Open Burning Policy and Guidelines:

- 18 AAC 50 Air Quality Control, as amended through September 17, 2011.
- 18 AAC 50.065. Open Burning: a person conducting open burning shall ensure that:
 - i. The material is dried or kept covered to the greatest extent possible prior to burning.
 - ii. Before igniting the burn, non-combustibles are separated.
 - iii. Natural or artificially induced draft is present.
 - iv. To the greatest extent practicable, combustibles are separated from grass or peat layer.
 - v. Combustibles are not allowed to smolder (burn and smoke without flame).
- 11 AAC 95.400-95.495, Article 6 – Forest Fire Protection:
 - i. A burning permit is required during the fire season for the burning of any material in areas designated by the commissioner. A burning permit is not required when the burning is contained within an approved device, or for cooking, warming, or signaling fires.
 - ii. A burning permit may be obtained by applying to the commissioner. The applicant shall provide the commissioner with information as to the type, location, and person in charge of the burning, the area and material to be burned, and the number of persons controlling the burn.

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- iii. An applicant that has been issued a burning permit may not burn any material covered by the permit unless the applicant has the permit in his or her possession. The permit must be displayed to a designee of the commissioner upon request.
- iv. Before issuing a permit, the commissioner will, in his or her discretion, require that the area and material to be burned be inspected.

Burn Permits are also required from ADNR as specified in Alaska Statutes AS Chapter 41.15 – 41.15-170 (Protection of Forested Lands) for planned open burning in forested areas and watersheds owned privately, by the state, or by a municipality.

1.3 LOCAL OPEN BURNING PERMITS

The Project is located in two Alaska Fire Service Zones:

- The Tanana and Military Zone.
- The Matanuska-Susitna Borough area.

In addition, the North Slope Borough (NSB) requires approval for open burning.

1.3.1 Alaska Fire Service Tanana Zone and Military Zone

Alaska Burn Permits are not required for this area. The Bureau of Land Management (BLM) Alaska Fire Service (AFS) provides wildland fire management for Department of the Interior and Native Corporation Lands in Alaska.

AFS operates on an interagency basis with the BLM, ADNR, U.S. Department of Agriculture Forest Service, National Park Service, Bureau of Indian Affairs, U.S. Fish and Wildlife Service, and the U.S. military in Alaska.

The BLM will be contacted for additional information and potential open-burning restrictions that may be attached to the BLM Temporary Use Permit.

1.3.2 North Slope Borough (NSB)


Open burning of waste is prohibited unless approved by the North Slope Borough (NSB) Land Management Administrator. Open burning of hazardous or contaminated material and black smoke is prohibited (NSBMC §§ 19.50.030).

1.3.3 Matanuska-Susitna Borough

The Mat-Su Area State Forestry Office area of jurisdiction lies within the boundaries of the Matanuska-Susitna Borough, and south to Girdwood. The Area Office is based in Palmer and is home to fire suppression resources and Timber Management Staff. Burn permits are issued by Forestry Division personnel from this Office.

Fire Season is declared from April 1 through August 31 of each season, and permits for open burning are required during this period. Any persons burning outside these months do not require a permit but nevertheless are required to burn safely and responsibly, and can be held liable for negligent burning and/or fire escapement.

The ADNR may also designate other periods as fire season or declare an additional period for all or any portion of the state when weather or other conditions require action for the protection of forested land. The ADNR may also, during the fire season, prohibit, or allow only by permit, the setting of fires, smoking, entry, or other use on the land, when the ADNR determines that the activities would unduly increase the fire danger.

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1.3.4 Types of Mat-Su Area Burn Permits

1.3.4.1 General Permit

A general permit can be used for one pile of debris (4 feet high by 10 feet in diameter) and/or less than 1 acre of mowed lawn or field grasses (no longer than 4 inches tall). The permit duration is three seasons.

1.3.4.2 Class B and C Permits

Class B and C permits require onsite inspection, and allow for the burning of piles larger in dimension than a general permit (under 6 feet high and 20 feet in diameter) and/or less than 2.5 acres of lawn/field with grasses (10 inches in length or less). Multiple general permit piles would also constitute a class B or C burn permit. The permit duration is established by State Forestry personnel at time of issuance.

Contractors are recommended to attend a class for issuance of an annual "C" permit. This permit would allow contractors to possess a permit that will be good for one season, and would not require site inspections for approval. Contractors conducting burning must have a current permit for each Burn Class (General, B or C) in possession at all times when burning.

1.3.4.3 Notification Requirements

In addition to following Safe Burning Guidelines, all size permits require the holder to call the Burn Permit Recording (907-761-6312) prior to each burn for recorded information on closures, fire weather conditions, and cautions.

1.4 BUREAU OF LAND MANAGEMENT (BLM) LANDS

[To be completed based on discussions with BLM staff.]

1.5 RESPONSIBILITIES

1.5.1 Project Entity


The Project entity would be responsible for:

- Providing Environmental Inspectors to monitor performance and ensure compliance with this Plan.
- Ensuring that all Project entity personnel are properly trained and that they understand the requirements for open burning as discussed in this Plan.

1.5.2 The Construction Contractor

The Contractor would be responsible for:

- Contacting all fire protection agencies and establishing communication before entering their jurisdictions.
- Obtaining necessary permits, and operating in accordance with federal, state, and local regulations related to open burning and fire prevention.
- Informing the appropriate agencies of all planned fires.

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- Providing all necessary first-response firefighting equipment on the job site and operating under the requirements of this Plan.
- Immediately reporting all wildfires to the appropriate jurisdictional fire authority.
- Initiating timely action to suppress fires caused by the Project (without undue risk to personnel) until either the fire is extinguished, or until relieved by authorized firefighting agencies.
- Ensuring that all employees are aware of the fire prevention and suppression measures stated in the Project's *Fire Prevention and Suppression Plan*.

The Contractor would be responsible for finalizing any site-specific fire prevention and suppression plans (if requested or required) in consultation with local fire protection agencies or the BLM immediately prior to construction.

1.5.3 Initial Notification

The Contractor would contact the appropriate fire protection and law enforcement agencies to coordinate emergency access and provide a schedule of any road closures due to construction. The Contractor would contact the following authorities prior to construction to establish communication, obtain necessary permits, and/or fulfill other obligations as directed by the fire control authorities:

- ADEC.
- Southcentral and Southwest Alaska Open Burn Approvals and Complaints: (TBD).
- Interior and Northern Alaska Open Burn Approvals and Complaints: (TBD).
- BLM District Offices: (TBD).
- Alaska State Lands Office: (TBD).
- Local Police and Fire Districts: (TBD).

1.6 FIRE HAZARD ADVISORIES

Daily fire advisories in the Mat-Su area and other locations in Alaska can be accessed at: <http://forestry.alaska.gov/burn/index.cfm?fuseaction=permits.doShowAreaSpecificInfo&firearea=M>.

Daily Fire Advisories statewide can be accessed at: <http://forestry.alaska.gov/burn/>.


1.7 AIR QUALITY ADVISORIES

The ADEC Division of Air Quality publishes Air Quality Advisories/Episodes on a daily basis: <http://dec.alaska.gov/Applications/Air/airtoolsweb/Advisories/>

1.8 RELATED PLANS

The following documents include additional requirements related to fire prevention and suppression:

- *Fire Prevention and Suppression Plan*.
- *Blasting Plan*.

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2.0 TYPES OF OPEN BURNING

The Project entity anticipates that various types of open burning may be conducted during construction. The Contractor would be required to acquire the appropriate burn permits for each type of open burning.


2.1 BURNING OF BRUSH AND SLASH

Burning of excess slash and brush from clearing operations would be done in locations where chipping and reuse is not practical.

[Contractor to describe planned burning for slash and brush disposal.]

2.2 OTHER

[Contractor to describe other types of open burning planned.]

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3.0 FIRE MANAGEMENT AND WILDFIRE CONTROL DURING OPEN BURNING ACTIVITIES


[Contractor to describe measures that will be implemented during open burning to prevent wildfire.]

3.1 BURNING OF SLASH AND BRUSH

[Contractor to describe procedures for conducting and measures that will be implemented to prevent wildfire.]

[Should include:

- Locations.
- Buffer Zones.
- Burn pile set up and maintenance for efficient burning.
- Firefighting equipment stockpiles.
- Measures to ensure fires are completely extinguished.]


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4.0 DRAWINGS AND EXHIBITS

[Contractor to create drawings and specifications for open burning.


Drawings should show:

- Buffer Zones.
- Burn pile set up and maintenance for efficient burning.
- Firefighting equipment stockpiles.
- Measures to ensure fires are completely extinguished.]

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5.0 ACRONYMS AND TERMS

Term	Definition
ADEC	Alaska Department of Environmental Conservation
ADNR	Alaska Department of Natural Resources
BLM	United States Department of the Interior, Bureau of Land Management
FERC	Federal Energy Regulatory Commission
NSB	North Slope Borough
Plan	<i>Open Burning Plan</i>
Project	Alaska LNG Project

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6.0 REFERENCES

ADEC, 2011, Open Burning Policy & Guidelines <https://dec.alaska.gov/air/ap/docs/obrguide.pdf>

ADNR Burning in Alaska, <http://forestry.alaska.gov/burn/>.

ADNR, Open Burning Permits: MatSu Area Permits,
<http://forestry.alaska.gov/burn/index.cfm?fuseaction=permits.doShowAreaSpecificInfo&firearea=M>