

# STANDARD PERMIT APPLICATION FORM

(As required by A.R.S. § 49-426, and Chapter 2, Article 3, Arizona Administrative Code)

1. Permit to be issued to: (Business license name of organization that is to receive permit) \_\_\_\_\_  
El Paso Fuel Development Company (EPFD)
2. Mailing Address: \_\_\_\_\_  
5001 East Commercenter, Suite 300  
City: Bakersfield State: California ZIP: 93309
3. Previous Company Name: (if applicable) -NA-
4. Name (or names) of Owners/Principals: \_\_\_\_\_  
El Paso Fuel Development Company (EPFD)  
FAX #: (805) 861-7377 Phone: (805) 861-7300
5. Name of Owner's Agent: \_\_\_\_\_  
Joe L. Burnett, Topock District Superintendent  
FAX #: (520) 768-1369 Phone: (520) 768-6101
6. Plant/Site Manager/Contact Person and Title: \_\_\_\_\_  
Don C. Cantrell, Lead Facility Technician  
FAX #: (520) 768-1369 Phone: (520) 768-6101
7. Plant Site Name: Needle Mountain Gas Plant  
Plant Site Location/Address: HWY 95 (N), Exit on I-40 / 5499 West Needle Mountain Road  
City: Topock County: Mohave ZIP: 86436  
Indian Reservation (if applicable, which one): -NA-  
Latitude/Longitude, Elevation: Lat. 34°43'42"/Long. 114°27'50", Elevation approx. 650 feet
8. Equipment Purpose: Processing pipeline quality natural gas to Liquefied Natural Gas (LNG)  
Equipment List/Description: Solar Centaur 40-T4500 / 4365 ISO HP
9. Type of Organization:  
 Corporation       Individual Owner  
 Partnership       Government Entity (Government Facility Codes: \_\_\_\_\_)  
 Other \_\_\_\_\_
10. Permit Application Basis:  New Source       Revision       Renewal of Existing Permit  
(Check all that apply.)       Portable Source       General Permit  
For renewal or modification, include existing permit number (and exp. date): \_\_\_\_\_  
Date of Commencement of Construction or Modification: July 1996 for proposed LNG Plant  
Is any of the equipment to be leased to another individual or entity?       Yes       No  
Standard Industrial Classification Code: 1321 State Permit Class: Class II
11. Signature of Responsible Official of Organization: \_\_\_\_\_  
Official Title of Signer: Vice President
12. Typed or Printed Name of Signer: Mr. Michael Holland  
Date: \_\_\_\_\_ Telephone Number: (805) 861-7300

COMPANY NAME El Paso Fuel Development Company, Needle Mountain Gas Plant

### EMISSION SOURCES

Company "Potential to Emit" per R18-2-101

Review of applications and issuance of permits will be expedited by supplying all necessary information on this Table.

REGULATED AIR POLLUTANT DATA					EMISSION POINT DISCHARGE PARAMETERS									
EMISSION POINT (1)		CHEMICAL COMPOSITION OF TOTAL STREAM	R. AIR POLLUTANT EMISSION RATE		UTM COORDINATES OF EMISSION PT. (5)			STACK SOURCES (6)				NONPOINT SOURCE (7)		
NUMBER	NAME	REGULATED AIR POLLUTANT NAME (2)	LB/HR (3)	TONS/YR (4)	ZONE	EAST (METERS)	NORTH (METERS)	HEIGHT ABOVE GROUND (FEET)	HEIGHT ABOVE STRUC. (FEET)	EXIT DATA			LENGTH (FEET)	WIDTH (FEET)
										DIA. (FEET)	VEL. (fps)	TEMP. (° F)		
A-1	Solar Centaur 40 T4500	NO <sub>x</sub>	22.21	97.28	NA	NA	NA	36	NA	4	64.2	600	NA	NA
		CO	4.54	19.89										
		VOC	0.36	1.59										
		SO <sub>2</sub>	0.09	0.40										
		Formaldehyde	0.13	0.58										
Fug-1	Fugitives	VOC	6.41	28.09										

GROUND ELEVATION OF FACILITY ABOVE MEAN SEA LEVEL Approximately 650 feet  
 ADEQ STANDARD CONDITIONS ARE 293K AND 101.3 KILOPASCALS (A.A.C. R18-101)

**General instructions:**

**General Information:**

1. Identify each emission point with a unique number for this plant site, consistent with emission point identification used on plot plan, previous permits, and Emission Inventory Questionnaire. Include fugitive emissions. Limit emission point number to eight (8) character spaces. For each emission point use as many lines as necessary or list regulated air pollutant data. Typical emission point names are: heater, vent, boiler, tank, reactor, separator, baghouse, fugitive, etc. Abbreviations are O.K.
2. Components to be listed include regulated air pollutants as defined in R18-2-101. Examples of typical component names are: Carbon

3. Monoxide (CO), Nitrogen Oxides (NO<sub>x</sub>), Sulfur Dioxide (SO<sub>2</sub>), Volatile Organic Compounds (VOC), particulate matter (PM), particulate less than 10 microns (PM<sub>10</sub>), etc. Abbreviations are O.K.
3. Pounds per hour (#/hr) is maximum potential emission rate expected by applicant.
4. Tons per year is annual maximum potential emission expected by applicant, which takes into account process operating schedule.
5. As a minimum applicant shall furnish a facility plot plan as described in the filing instructions. UTM coordinates are required only if the source is a major source or is required to perform refined modeling for the purposes of demonstrating compliance with ambient air quality guidelines.

6. Supply additional information as follows if appropriate:
  - (a) Stack exit configuration other than a round vertical stack. Show length and width for a rectangular stack. Indicate if horizontal discharge with a note.
  - (b) Stack's height above supporting or adjacent structures if structure is within 3 "stack height above the ground" of stack.
7. Dimensions of nonpoint sources as defined in R18-2-101.