

# AIR POLLUTION EMISSION NOTICE FOR PERMIT TO CONSTRUCT

Rev. A

Date: 07/21/09

## PIÑON RIDGE URANIUM MILL Montrose County, Colorado

Submitted to:

Air Pollution Control Division  
Colorado Department of Public Health and  
Environment

Prepared for:



**Energy Fuels Resources**  
44 Union Blvd., Suite 600  
Lakewood, Colorado 80228

Prepared by:



**Kleinfelder**  
4815 List Drive, Unit 115  
Colorado Springs, CO 80919

**Project No. 83088**  
**DCN 83088.6.2-ALB09RP001**

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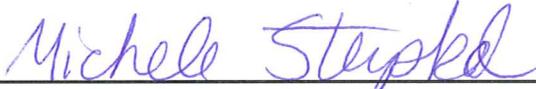
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## INTRODUCTION

This Air Pollution Emission Notice (APEN) has been prepared on behalf of Energy Fuels Resources Corporation (Energy Fuels) for the authorization to construct and operate a uranium and vanadium mill (Piñon Ridge Mill). The Piñon Ridge Mill site is located approximately 11 miles west of Nucla, Colorado along Highway 90, in Paradox Valley, in Montrose County, Colorado. The Property address is 16910 Highway 90, Bedrock, Colorado 81411.

This APEN application is based on processing 1,000 tons per day (tpd) of uranium and vanadium ore. The facility will initially be designated to process 500 tpd; however, the mill was designed to process 1,000 tpd and Energy Fuels plans to ultimately ramp up to 1,000 tpd of ore processing. Based on the air quality regulations pertaining to circumvention, the application is therefore based on the planned 1,000 tpd processing.

This APEN application package consists of six sections. The following outline describes the contents of each section:

Section 1: Application to Construct and APEN Forms (Total of 40 forms):

- One (1) Construction Permit Application Form
- Twenty (20) General APEN Forms
- One (1) RICE APEN Form
- Ten (10) Non-Criteria Reportable APEN Addendum Forms
- Eight (8) Supplemental APEN Forms for Air Pollution Control Equipment

Section 2: Process Descriptions

Section 3: Figures:

- a. Site Location Map
- b. Property Map
- c. Site Plan
- d. Process Flow Sheet
- e. Process Area Maps
- f. Process Flow Diagrams (with emission points)

Section 4: Emission Calculations

Section 5: Regulatory Analysis

Section 6: Support Materials (Vendor Specifications, Reference Documents, etc.)

## Section 7: Control Device Malfunction Prevention and Abatement Plans

- a. Scrubbers
- b. Baghouse

## Section 8: Reserved (Modeling Analysis)

Because an air quality impact analysis is expected for this facility, but the sources and emission rates analyzed are contingent on the approvals of the CDPHE, a modeling analysis is not included with the application at this time. Once the source data and emission calculations have been reviewed and accepted by CDPHE, the modeling analysis will be completed and submitted. Therefore, a placeholder for the modeling analysis has been established with the application package for this purpose.

Should there be questions or need for additional information, the following individuals may be contacted:

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