

SECTION 1: PERMIT APPLICATION AND APEN FORMS

Air Pollution Control Division (APCD) - Construction Permit Application

PLEASE READ INSTRUCTIONS ON REVERSE SIDE.

1. Permit to be issued to: Energy Fuels Resources Corporation

2. Mailing Address: 44 Union Boulevard, Suite 600
Lakewood, Colorado 80228

3. General Nature of Business: Uranium Mill
SIC code (if known) 1094

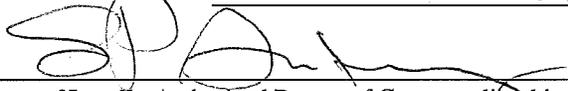
4. Air Pollution Source Description: Uranium and vanadium recovery processing equipment including grinding, leaching, solvent extraction, drying and packaging.
(List permit numbers if existing source, N/A
attach additional pages if needed) _____ Is this a Portable Unit? No

5. Source Location Address (Include Location Map) 16910 Highway 90
Bedrock, Colorado 81411 If portable, include the initial location and home base location

6. Reason for Application: (Check all that apply)

- | | |
|---|--|
| <input checked="" type="checkbox"/> New or Previously Unreported Source | <i>Administrative Permit Amendments</i> |
| <input type="checkbox"/> Modification of Existing Source | <input type="checkbox"/> Transfer of Ownership (Complete Section 9 & 10 below) |
| <input type="checkbox"/> Request for Synthetic Minor Permit | <input type="checkbox"/> Company Name Change (Complete Section 9 below) |
| <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Other: _____ |

7. Projected Startup Date: Within 18 months from January 31, 2011

	<u>7/21/09</u>
Signature of Legally Authorized Person of Company listed in Section 1	Date Signed
Stephen P. Antony, Executive Vice President and Chief Operating Officer	Phone: <u>303-974-2140</u>
Type or Print Name and Official Title of Person Signing Above	Fax: <u>303-974-2141</u>

8. Check appropriate box if you want:

- Copy of preliminary analysis conducted by Division
- X To review a draft of the permit prior to issuance

These sections are to be completed only if a company name change or transfer of ownership has occurred.

9. Permit previously issued to: _____

10. Transfer of Ownership Information
Effective Date of Permit Transfer: _____

As responsible party for the emission source(s) listed above, I certify that the business associated with this source has been sold, and agree to transfer the permit to said party.

_____ Signature of Legally Authorized Person of Company listed in Section 9	_____ Date Signed
_____ Type or Print Name and Official Title of Person Signing Above	Phone: _____ Fax: _____

Mail completed application, APENs, and filing fee to:

Colorado Department of Public Health and Environment
Air Pollution Control Division
4300 Cherry Creek Drive South, APCD-SS-B1
Denver, Colorado 80246-1530

<http://www.cdph.state.co.us/ap/stationary.html>
Phone: (303) 692-3150

Revised August 2004

**INSTRUCTIONS FOR THE COMPLETION OF THE
APPLICATION FOR CONSTRUCTION PERMIT OR PERMIT MODIFICATION FORM**

The following instructions for the completion of this form are titled, lettered, and numbered the same as the applicable sections of the form on the other side.

If a section does not apply, write "N/A": **DO NOT LEAVE BLANK.**

NOTE: All information submitted as part of this permit application and all data generated by the Division as part of processing this permit will be considered open to the public unless confidential treatment is requested in writing. All such materials **MUST** be (1) clearly marked "CONFIDENTIAL" and (2) enclosed in a **separate** sealed envelope marked "CONFIDENTIAL INFORMATION" to ensure against accidental release. Confidentiality is granted only if the release of such information would result in economic disadvantage to the applicant. If confidentiality is requested, the Division will notify you of its decision and, if denied, allow time for you to present additional evidence justifying the need for confidentiality. In general, confidentiality requests will increase permit processing time. Under no circumstances can emissions data be held confidential.

1. **PERMIT ISSUED TO:** List the name of the company (e.g., corporation, partnership, association, individual owner, or governmental agency) to whom the permit is to be issued and who will therefore be responsible for the operation of the source. This company name will be listed on the permit.
2. **MAILING ADDRESS:** This is the address for all correspondence relating to this permit.
3. **GENERAL NATURE OF BUSINESS:** List the business activity (dry cleaner, saw mill, furniture manufacturer, commercial printing, etc.). Also, list the Standard Industrial Classification (S.I.C.) for this type of business activity, if known.
4. **AIR POLLUTION SOURCE DESCRIPTION:** Provide a brief description of the equipment being permitted and the associated emission controls (e.g., concrete batch plant with baghouses, paint booth with particulate filters). If this source has an existing APCD permit(s), please list all applicable permit numbers.
5. **SOURCE ADDRESS:** Do not give a P.O. Box. This is for the physical location of the source. Please include a map that indicates the exact location and shows major topographic features. If the source is portable, include the home base and initial location.
6. **REASON FOR APPLICATION:**

Modification of Permitted Source – A permit modification may be required for changes in emissions, throughput, equipment, etc.

Request for Synthetic Minor – A source that is voluntarily applying for a permit to create federally enforceable permit conditions to limit the potential to emit criteria or hazardous air pollutants in order to avoid other requirements. Public comment must be conducted prior to the issuance of any synthetic minor emission permit.

Administrative Permit Amendments

Transfer of Ownership – A transfer of ownership is required if equipment previously permitted by another company has been purchased. A merger is considered to be a transfer of ownership. Complete sections 9 & 10 of this form.

Name Change – A name change is appropriate if only the name on the permit is to be changed, and there is no transfer of ownership. Complete section 9 of this form.

Other – Any other administrative change as defined in Regulation No. 3, Part A, Section I.B.1.

7. **PROJECTED START-UP DATE:** Construction, operation, or modifications prior to receipt of a permit is prohibited by Colorado Statute.
8. **DRAFT REVIEW REQUEST:** Review requests will usually add to both processing costs and processing time. Any additional time and charges incurred by the Division in providing a draft and correspondence with the applicant will be billed to the applicant. The Division will consider the request an official extension of the processing deadlines specified by the Act. The extension will consist of the number of days elapsed between Division mailing of the draft permit to the applicant and receipt of the applicant's comments by the Division, not to exceed 15 days. However, the Division is not bound to consider any comments received after the 15 day time period lapses, unless both the Division and the applicant agree to a further extension of the processing deadlines.
9. **PERMIT PREVIOUSLY ISSUED TO:** List the name of the company on the most recently issued permit. This section should be completed only if a company name change or transfer of ownership has occurred.
10. **TRANSFER OF OWNERSHIP:** This section should be completed by the former owner of the permit. Transfer of the permit(s) conveys to the new owner all responsibility, coverage and liability associated with the permit(s). Submission of a transfer of ownership application without a request for permit modification implies that no change is contemplated which would constitute a new or modified air pollution source. A written agreement containing a specific date for transfer of ownership permit will be accepted in lieu of completion of this section of this form.

Submit completed application, APENs, and filing fee to the address below:

APENs: More than one Air Pollutant Emission Notice (APEN) may be needed with this application. Only one application form needs to be completed.

Multiple sources – An APEN is required for each source unless they may be grouped as specified in Regulation No. 3, Part A, Section I.B.4.

Transfer of Ownership – An APEN must be submitted for each individual emission source to be transferred.

Name Change – If a company is changing its name only, and all other procedures and information as stated in the last submitted APEN remains unchanged, then only one APEN for each facility is required.

FEES:

Filing Fee: Permittee must submit \$152.90 per APEN with the application.

Permit Processing Fee: Permittee will be invoiced at the rate of \$76.45 per hour based on the amount of time spent reviewing the application and issuing the permit. Invoices for APEN fees and permit processing fees must be paid before permit will be issued. Once an application is received, all processing time will be charged regardless of whether a permit is issued or not. If a project is cancelled, the division should be notified in writing immediately.

Annual Fees: Annual fees will be billed for each source requiring an APEN to cover the costs of periodic inspections and administration. Annual fees are based on the quantity and type of pollutants emitted. For specific information related to fees see Regulation No. 3, Part A, Section VI.

Mail completed application, APENs, and filing fee to:

Colorado Department of Public Health and Environment
Air Pollution Control Division
4300 Cherry Creek Drive South, APCD-SS-B1
Denver, Colorado 80246-1530

<http://www.cdphe.state.co.us/ap/stationary.html>
Phone: (303) 692-3150

Revised August 2004

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: UPMAIN [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation **NAICS, or SIC Code:** 1094
Source Name: Unpaved Main Road
Source Location: 16910 Highway 90 **County:** Montrose
Bedrock, Colorado 81411 **Elevation:** 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 **ZIP Code:** 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD **Phone Number:** TBD
E-mail Address: TBD **Fax Number:** TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
General description of equipment and purpose: Fugitive emissions from vehicle travel on the unpaved main plant road.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
<http://www.cdphe.state.co.us/ap/attainmaintain.html>

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
Manufacturer: _____ **Model No.:** _____ **Serial No.:** _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

**Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)**

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
**Colorado Department of Public Health & Environment
 APCD-SS-B1
 4300 Cherry Creek Drive South
 Denver, CO 80246-1530**

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175
 APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP	Gravel, Mag Chloride	Watering		85%	7.00	lb/VMT			532.67	79.90	AP-42, 13.2.2
PM ₁₀	Gravel, Mag Chloride	Watering		85%	2.07	lb/VMT			157.22	23.58	AP-42, 13.2.2
PM _{2.5}	Gravel, Mag Chloride	Watering		85%	0.21	lb/VMT			15.72	2.36	AP-42, 13.2.2
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

	7/21/09 Date	Stephen P. Antony Name of Legally Authorized Person (Please print)	Executive Vice President and Chief Operating Officer Title
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AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

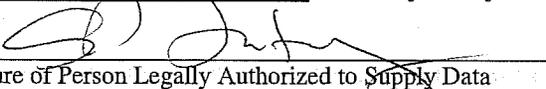
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP				0%	0.38	lb/VMT			0.72	0.72	AP-42, 13.2.1
PM ₁₀				0%	0.07	lb/VMT			0.14	0.14	AP-42, 13.2.1
PM _{2.5}				0%	0.01	lb/VMT			0.02	0.02	AP-42, 13.2.1
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

 Signature of Person Legally Authorized to Supply Data	7/21/09 Date	Stephen P. Antony Name of Legally Authorized Person (Please print)	Executive Vice President and Chief Operating Officer Title
--	-----------------	---	---

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: MONRD [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or
Source Name: Unpaved Monitoring Roads SIC Code: 1094
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source
Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
 Request PORTABLE source permit
 Request MODIFICATION to existing permit (check each box below that applies)
 Change fuel or equipment Change company name
 Change permit limit Transfer of ownership Other
 Request to limit HAPs with a Federally enforceable limit on PTE
 Request APEN update only (check the box below that applies)
 Revision to actual calendar year emissions for emission inventory
 Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 10 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Fugitive emissions from vehicle travel on the unpaved service roads that lead to various monitoring sites.

Will this equipment be operated in any NAAQS nonattainment area?
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>) Yes No Don't know

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175
 APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
 Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical, with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

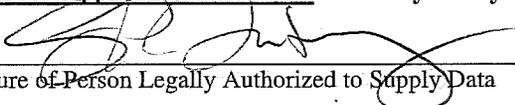
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP				0%	9.02	lb/VMT			14.46	14.46	AP-42, 13.2.2
PM ₁₀				0%	3.61	lb/VMT			5.79	5.79	AP-42, 13.2.2
PM _{2.5}				0%	0.36	lb/VMT			0.58	0.58	AP-42, 13.2.2
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

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Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.


Signature of Person Legally Authorized to Supply Data

7/21/09
Date

Stephen P. Antony
Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer
Title

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: SECRD [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or
Source Name: Unpaved Security Road SIC Code: 1094
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
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 - Change permit limit Transfer of ownership Other
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- Request APEN update only (check the box below that applies)**
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 Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Fugitive emissions from vehicle travel on the unpaved road that surrounds the secure licensed boundary of the Facility.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
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**Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)**

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 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcept.html>

- Check box to request copy of draft permit prior to issuance.
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AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

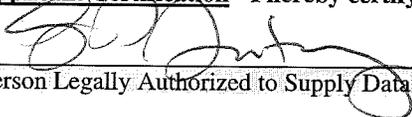
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP				0%	9.02	lb/VMT			27.97	27.97	AP-42, 13.2.2
PM ₁₀				0%	3.61	lb/VMT			11.20	11.20	AP-42, 13.2.2
PM _{2.5}				0%	0.36	lb/VMT			1.12	1.12	AP-42, 13.2.2
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.


Signature of Person Legally Authorized to Supply Data

7/17/09
Date

Stephen P. Antony
Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer
Title

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: ORERD _____ [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or
Source Name: Ore pad travel SIC Code: 1094
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes:

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 16 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Fugitive emissions from loader travel in the ore pad during ore transfer activities.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

**Colorado Department of Public Health and Environment
 Air Pollution Control Division (APCD)**

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175
 APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP	Gravel, Watering			75%	13.29	lb/VMT			30.87	7.72	AP-42, 13.2.2
PM ₁₀	Gravel, Watering			75%	3.92	lb/VMT			9.11	2.28	AP-42, 13.2.2
PM _{2.5}	Gravel, Watering			75%	0.39	lb/VMT			0.91	0.23	AP-42, 13.2.2
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

Signature of Person Legally Authorized to Supply Data _____

Date 7/17/09

Stephen P. Antony
Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer
Title

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: WIND1 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or
Source Name: Wind Erosion of Ore Stockpiles SIC Code: 1094
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes:

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Wind erosion of the ore stockpiles at the ore pad.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

**Colorado Department of Public Health and Environment
 Air Pollution Control Division (APCD)**

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175
 APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

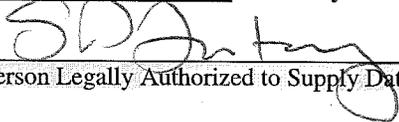
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP	Water/raffinate spray			50	4.56	ton/acre-year			15.50	7.75	AP-42, 11.9-1
PM ₁₀	Water/raffinate spray			50	2.28	ton/acre-year			7.75	3.87	50% of PM
PM _{2.5}	Water/raffinate spray			50	0.34	ton/acre-year			1.16	0.58	7.5% of PM
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.



 Signature of Person Legally Authorized to Supply Data

7/17/09

 Date

Stephen P. Antony

 Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer

 Title

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default **or** evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) **or** property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); **or**

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdphe.state.co.us/ap/downloadforms.html>

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: 110-SNG-01/110-FDA-01 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or
 Source Name: Unloading to Grizzly and Apron Feed to Conveyor SIC Code: 1094
 Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
 Portable Source Home Base: _____
 Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
 Person To Contact: Radiation Safety Officer Phone Number: TBD
 E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source
- Request PORTABLE source permit
- Request MODIFICATION to existing permit (check each box below that applies)
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE
- Request APEN update only (check the box below that applies)
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 16 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Unloading of ore to the grizzly screen and transfer of ore from the apron feeder to the feed conveyor. Both sources vent to the feed system vent.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

**Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)**

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

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Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175

APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)
110-STK-01		35	Ambient					12			

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = 48 Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007):

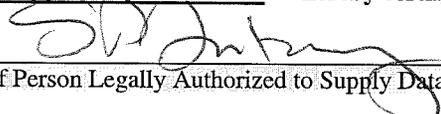
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP	Baghouse, Enclosure	Watering	100%	99%	0.01	lb/ton			3.66	0.036	AP-42, 11.24
PM ₁₀	Baghouse, Enclosure	Watering	100%	99%	0.004	lb/ton			1.46	0.014	AP-42, 11.24
PM _{2.5}	Baghouse, Enclosure	Watering	100%	99%	0.00061	lb/ton			0.22	0.002	AP-42, 11.24
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.



 Signature of Person Legally Authorized to Supply Data

7/17/09

 Date

Stephen P. Antony

 Name of Legally Authorized Person (Please print)

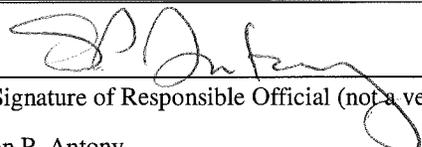
Executive Vice President and Chief Operating Officer

 Title

Supplement to Air Pollutant Emission Notice (APEN) for Air Pollution Control Equipment

SEE INSTRUCTIONS ON REVERSE SIDE

<p>1. Facility Name and Location: <u>Energy Fuels Resources Pinon Ridge Mill, Montrose County, CO</u></p>	<p style="font-size: small;">For APCD use only</p> <p>Permit Number: _____</p> <p>AIRS Point ID: _____</p>																									
<p>2. Control Device:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; border-bottom: 1px solid black;"><u>Type</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>Make</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>Model</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>Serial</u></td> </tr> <tr> <td style="text-align: center;">Baghouse</td> <td style="text-align: center;">Farr</td> <td style="text-align: center;">GS72/60</td> <td style="text-align: center;">TBD</td> </tr> </table>	<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>	Baghouse	Farr	GS72/60	TBD																		
<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>																							
Baghouse	Farr	GS72/60	TBD																							
<p>3. Date placed in service or last modified: <u>01/31/2011</u></p>																										
<p>4. Describe the control device. Attach a diagram of the system. Also attach copies of Operation and Maintenance Instructions supplied by the manufacturer.</p> <p><u>Dust Collecting baghouse with 60 filters. Feed system area, including grizzly screen and apron feeder, are connected to the baghouse.</u></p>																										
<p>5. List the pollutants this equipment controls and the control efficiency for each pollutant on the table below. Attach documents to support the information.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Pollutant</th> <th style="width: 20%;">Estimated / actual inlet pollutant concentration (ton/year)</th> <th style="width: 20%;">Emission capture efficiency, %</th> <th style="width: 20%;">Outlet pollutant concentration (ton/year)</th> <th style="width: 25%;">Control Efficiency, %</th> </tr> </thead> <tbody> <tr> <td>PM</td> <td>3.66</td> <td>100%</td> <td>0.036</td> <td>99%</td> </tr> <tr> <td>PM₁₀</td> <td>1.46</td> <td>100%</td> <td>0.014</td> <td>99%</td> </tr> <tr> <td>PM_{2.5}</td> <td>0.22</td> <td>100%</td> <td>0.002</td> <td>99%</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Pollutant	Estimated / actual inlet pollutant concentration (ton/year)	Emission capture efficiency, %	Outlet pollutant concentration (ton/year)	Control Efficiency, %	PM	3.66	100%	0.036	99%	PM ₁₀	1.46	100%	0.014	99%	PM _{2.5}	0.22	100%	0.002	99%					
Pollutant	Estimated / actual inlet pollutant concentration (ton/year)	Emission capture efficiency, %	Outlet pollutant concentration (ton/year)	Control Efficiency, %																						
PM	3.66	100%	0.036	99%																						
PM ₁₀	1.46	100%	0.014	99%																						
PM _{2.5}	0.22	100%	0.002	99%																						
<p>6. Description of method of handling the collected material for reuse or disposal.</p> <p><u>Dust is collected into a hopper and fed back into the ore feed system by dumping the hopper contents into the grizzly screen.</u></p>																										
<p>7. Prepare a malfunction prevention and abatement plan for this pollution control system. Submit this plan with the application. This will be incorporated as a permit condition. The plan may include, but not limited to, the following:</p> <ol style="list-style-type: none"> a. Operation variables such as temperature, flow rates, differential pressures, concentrations, and other vital parameters that will be monitored in order to detect a malfunction or breakthrough, the correct operating range of these variables, and a detailed description of monitoring or surveillance procedures that will be used to show compliance. b. Monitoring equipment used (temperature sensors, pressure sensors, CEMS). c. An inspection schedule and items or conditions that will be inspected. Inspection records will be maintained at the site. d. A maintenance plan to assure continuous compliance. 																										



 Signature of Responsible Official (not a vendor or consultant)
Stephen P. Antony
 Name of Responsible Official (Please Print)

7/17/09

 Date
Executive Vice President and Chief Operating Officer
 Title

Colorado Department of Public Health and Environment
Air Pollution Control Division
Stationary Sources Program

Complete one form for each control device used to reduce air pollutant emissions.

- Item 1 Provide name and location of the facility.
- Item 2 Mention control device, and give the Manufacturer, Model and Serial Number.
- Item 3 Give the date of installation. Also give dates of modifications. Describe these modifications in Item 4.
- Item 4 Give a description of the control device. Attach additional sheets, if necessary.
- Item 5 Give the details of the pollutants that will be controlled. These pertain to the pollutants for which an application for permit is being made.
- Item 6 The disposal method must be consistent with sound pollution prevention practices. If entrusted to a certified service agency / company, give the details. Attach sample manifests.
- Item 7 The malfunction prevention and abatement plan conveys the applicant's commitment to minimize the emissions, and ensures that the emission rates will always be kept below the levels indicated. The inspection schedule and items of particular importance are to assure continued performance of the control equipment.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: UNLOAD3/120-FDV-01 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or 1094
 Source Name: Unloading from conveyor and vibrating feeder SIC Code: _____
 Source Location: 16910 Highway 90 County: Montrose
 Bedrock, Colorado 81411 Elevation: 5,480 Feet
 Portable Source Home Base: _____
 Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
 Lakewood, Colorado
 Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
 E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source
- Request PORTABLE source permit
- Request MODIFICATION to existing permit (check each box below that applies)
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE
- Request APEN update only (check the box below that applies)
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes:

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 16 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Unloading from the conveyor and the vibrating feeder. Both sources and connected to the SAG Mill Process Vent.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175
 APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)
120-DCS-01		35	Ambient					12			

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = 12 Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

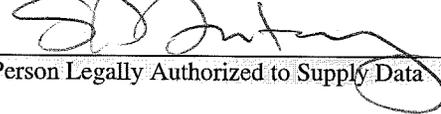
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP	Scrubber	Watering	100%	99%	0.0122	lb/ton			2.23	0.02	AP-42, 11.24/19
PM ₁₀	Scrubber	Watering	100%	99%	0.0047	lb/ton			0.87	0.01	AP-42, 11.24/19
PM _{2.5}	Scrubber	Watering	100%	99%	0.00065	lb/ton			0.12	0.001	AP-42, 11.24/19
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.


 Signature of Person Legally Authorized to Supply Data

7/17/09
 Date

Stephen P. Antony
 Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer
 Title

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default **or** evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) **or** property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); **or**

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdph.state.co.us/ap/downloadforms.html>

Supplement to Air Pollutant Emission Notice (APEN) for Air Pollution Control Equipment

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility Name and Location: <u>Energy Fuels Resources Pinon Ridge Mill, Montrose County, CO</u>	For APCD use only Permit Number: _____ AIRS Point ID: _____																									
2. Control Device: <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>Type</u></td> <td style="text-align: center;"><u>Make</u></td> <td style="text-align: center;"><u>Model</u></td> <td style="text-align: center;"><u>Serial</u></td> </tr> <tr> <td style="text-align: center;"><u>Dust Scrubber</u></td> <td style="text-align: center;"><u>Heil</u></td> <td style="text-align: center;"><u>Series 770, Size 18</u></td> <td style="text-align: center;"><u>TBD</u></td> </tr> </table>	<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>	<u>Dust Scrubber</u>	<u>Heil</u>	<u>Series 770, Size 18</u>	<u>TBD</u>																		
<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>																							
<u>Dust Scrubber</u>	<u>Heil</u>	<u>Series 770, Size 18</u>	<u>TBD</u>																							
3. Date placed in service or last modified: <u>01/31/2011</u>																										
4. Describe the control device. Attach a diagram of the system. Also attach copies of Operation and Maintenance Instructions supplied by the manufacturer. <u>Variable throat venturi water scrubber. The vibratory feeder and SAG Mill are connected to the scrubber.</u>																										
5. List the pollutants this equipment controls and the control efficiency for each pollutant on the table below. Attach documents to support the information.																										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Pollutant</th> <th style="width:20%;">Estimated / actual inlet pollutant concentration (ton/yr)</th> <th style="width:20%;">Emission capture efficiency, %</th> <th style="width:20%;">Outlet pollutant concentration (ton/yr)</th> <th style="width:25%;">Control Efficiency, %</th> </tr> </thead> <tbody> <tr> <td>PM</td> <td style="text-align: center;">2.23</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">0.02</td> <td style="text-align: center;">99%</td> </tr> <tr> <td>PM₁₀</td> <td style="text-align: center;">0.87</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">0.01</td> <td style="text-align: center;">99%</td> </tr> <tr> <td>PM_{2.5}</td> <td style="text-align: center;">0.12</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">0.001</td> <td style="text-align: center;">99%</td> </tr> <tr> <td>Radionuclides</td> <td style="text-align: center;">3.35e-3</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">3.35e-5</td> <td style="text-align: center;">99%</td> </tr> </tbody> </table>		Pollutant	Estimated / actual inlet pollutant concentration (ton/yr)	Emission capture efficiency, %	Outlet pollutant concentration (ton/yr)	Control Efficiency, %	PM	2.23	100%	0.02	99%	PM ₁₀	0.87	100%	0.01	99%	PM _{2.5}	0.12	100%	0.001	99%	Radionuclides	3.35e-3	100%	3.35e-5	99%
Pollutant	Estimated / actual inlet pollutant concentration (ton/yr)	Emission capture efficiency, %	Outlet pollutant concentration (ton/yr)	Control Efficiency, %																						
PM	2.23	100%	0.02	99%																						
PM ₁₀	0.87	100%	0.01	99%																						
PM _{2.5}	0.12	100%	0.001	99%																						
Radionuclides	3.35e-3	100%	3.35e-5	99%																						
6. Description of method of handling the collected material for reuse or disposal. <u>Particles from the scrubber sump are recirculated to the SAG Mill discharge sump and enter the leach process. Scrubbed air is vented to the atmosphere through a 1 foot diameter by 35 foot high stack.</u>																										
7. Prepare a malfunction prevention and abatement plan for this pollution control system. Submit this plan with the application. This will be incorporated as a permit condition. The plan may include, but not limited to, the following: <ul style="list-style-type: none"> a. Operation variables such as temperature, flow rates, differential pressures, concentrations, and other vital parameters that will be monitored in order to detect a malfunction or breakthrough, the correct operating range of these variables, and a detailed description of monitoring or surveillance procedures that will be used to show compliance. b. Monitoring equipment used (temperature sensors, pressure sensors, CEMS). c. An inspection schedule and items or conditions that will be inspected. Inspection records will be maintained at the site. d. A maintenance plan to assure continuous compliance. 																										

Signature of Responsible Official (not a vendor or consultant)

Stephen P. Antony

Name of Responsible Official (Please Print)

Date

7/17/09

Executive Vice President and Chief Operating Officer

Title

Colorado Department of Public Health and Environment
Air Pollution Control Division
Stationary Sources Program

Complete one form for each control device used to reduce air pollutant emissions.

- Item 1 Provide name and location of the facility.
- Item 2 Mention control device, and give the Manufacturer, Model and Serial Number.
- Item 3 Give the date of installation. Also give dates of modifications. Describe these modifications in Item 4.
- Item 4 Give a description of the control device. Attach additional sheets, if necessary.
- Item 5 Give the details of the pollutants that will be controlled. These pertain to the pollutants for which an application for permit is being made.
- Item 6 The disposal method must be consistent with sound pollution prevention practices. If entrusted to a certified service agency / company, give the details. Attach sample manifests.
- Item 7 The malfunction prevention and abatement plan conveys the applicant's commitment to minimize the emissions, and ensures that the emission rates will always be kept below the levels indicated. The inspection schedule and items of particular importance are to assure continued performance of the control equipment.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: 220-GHS-01 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or SIC Code: 1094
Source Name: Pre-Leach and Leach Tanks Process Vent
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes:

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Process vent for two pre-leach tanks and eight leach tanks.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphs.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
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 APEN forms: <http://www.cdphs.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphs.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)
220-GHS-01		35	Ambient					12			

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = 12 Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

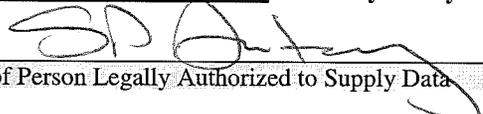
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP											
PM ₁₀											
PM _{2.5}											
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.



 Signature of Person Legally Authorized to Supply Data

7/17/09

 Date

Stephen P. Antony

 Name of Legally Authorized Person (Please print)

Executive Vice President and
 Chief Operating Officer

 Title

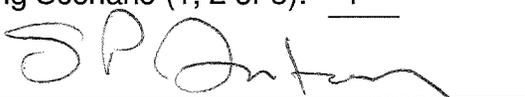
NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

(See reverse side for guidance on completing this form)

Permit Number: _____ **AIRS ID Number:** _____
Company Name: Energy Fuels Resources Corporation
Plant Location: 16910 Highway 90, Bedrock, Colorado **County:** Montrose **Zip Code:** 81411
Person to Contact: Radiation Safety Officer, TBD **Phone Number:** TBD
E-mail Address: TBD **Fax Number:** TBD

Chemical Abstract Service (CAS) Number	Chemical Name	Reporting BIN	Control Equipment / Reduction (%)	Emission Factor (Include Units)	Emission Factor Source	Uncontrolled Actual Emissions (lbs/year)	Controlled Actual Emissions (lbs/year)
7664-93-9	Sulfuric Acid	B	99%	*see calc	*see calc	15,515	15,515
0	Radionuclides	A	99%	*see calc	*see calc	3.06e-6	3.06e-6

Reporting Scenario (1, 2 or 3): 1 **Calendar Year for which Actual Data Applies:** N/A



 Signature of Person Legally Authorized to Supply Data
 Stephen P. Antony

 Name of Person Legally Authorized to Supply Data (Please print)

7/17/09

 Date
 Executive Vice President and Chief Operating Officer

 Title of Person Legally Authorized to Supply Data

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default **or** evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) **or** property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); **or**

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdphe.state.co.us/ap/downloadforms.html>

Supplement to Air Pollutant Emission Notice (APEN) for Air Pollution Control Equipment

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility Name and Location: <u>Energy Fuels Resources Pinon Ridge Mill, Montrose County, CO</u>	For APCD use only Permit Number: _____ AIRS Point ID: _____																				
2. Control Device: <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>Type</u></td> <td style="text-align: center;"><u>Make</u></td> <td style="text-align: center;"><u>Model</u></td> <td style="text-align: center;"><u>Serial</u></td> </tr> <tr> <td style="text-align: center;"><u>Wet Venturi Scrubber</u></td> <td style="text-align: center;"><u>Heil</u></td> <td style="text-align: center;"><u>Series 770, Size 18</u></td> <td style="text-align: center;"><u>TBD</u></td> </tr> </table>	<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>	<u>Wet Venturi Scrubber</u>	<u>Heil</u>	<u>Series 770, Size 18</u>	<u>TBD</u>													
<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>																		
<u>Wet Venturi Scrubber</u>	<u>Heil</u>	<u>Series 770, Size 18</u>	<u>TBD</u>																		
3. Date placed in service or last modified: <u>01/31/2011</u>																					
4. Describe the control device. Attach a diagram of the system. Also attach copies of Operation and Maintenance Instructions supplied by the manufacturer. <u>The control device is a variable throat venturi type scrubber designed for removing sulfuric acid from the pre-leach and leach tank vent stream. Two pre-leach tanks and eight leach tanks are connected to the control device. The control device will vent to the atmosphere through a 12 inch diameter by 35 foot high stack.</u>																					
5. List the pollutants this equipment controls and the control efficiency for each pollutant on the table below. Attach documents to support the information.																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Pollutant</th> <th style="width:20%;">Estimated / actual inlet pollutant concentration (tons/year)</th> <th style="width:20%;">Emission capture efficiency, %</th> <th style="width:20%;">Outlet pollutant concentration (tons/year)</th> <th style="width:25%;">Control Efficiency, %</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Sulfuric Acid</td> <td style="text-align: center;">7.76</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">7.76</td> <td style="text-align: center;">99%</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Pollutant	Estimated / actual inlet pollutant concentration (tons/year)	Emission capture efficiency, %	Outlet pollutant concentration (tons/year)	Control Efficiency, %	Sulfuric Acid	7.76	100%	7.76	99%										
Pollutant	Estimated / actual inlet pollutant concentration (tons/year)	Emission capture efficiency, %	Outlet pollutant concentration (tons/year)	Control Efficiency, %																	
Sulfuric Acid	7.76	100%	7.76	99%																	
6. Description of method of handling the collected material for reuse or disposal. <u>The aqueous material collected in the scrubber is pumped to the counter current decantation (CCD) thickener #1 where it will enter the CCD process flow along with the resulting process stream from the leach system.</u>																					
7. Prepare a malfunction prevention and abatement plan for this pollution control system. Submit this plan with the application. This will be incorporated as a permit condition. The plan may include, but not limited to, the following: <ol style="list-style-type: none"> a. Operation variables such as temperature, flow rates, differential pressures, concentrations, and other vital parameters that will be monitored in order to detect a malfunction or breakthrough, the correct operating range of these variables, and a detailed description of monitoring or surveillance procedures that will be used to show compliance. b. Monitoring equipment used (temperature sensors, pressure sensors, CEMS). c. An inspection schedule and items or conditions that will be inspected. Inspection records will be maintained at the site. d. A maintenance plan to assure continuous compliance. 																					



 Signature of Responsible Official (not a vendor or consultant)
 Stephen P. Antony
 Name of Responsible Official (Please Print)

7/17/09

 Date
 Executive Vice President and Chief Operating Officer
 Officer
 Title

Colorado Department of Public Health and Environment
Air Pollution Control Division
Stationary Sources Program

Complete one form for each control device used to reduce air pollutant emissions.

- Item 1 Provide name and location of the facility.
- Item 2 Mention control device, and give the Manufacturer, Model and Serial Number.
- Item 3 Give the date of installation. Also give dates of modifications. Describe these modifications in Item 4.
- Item 4 Give a description of the control device. Attach additional sheets, if necessary.
- Item 5 Give the details of the pollutants that will be controlled. These pertain to the pollutants for which an application for permit is being made.
- Item 6 The disposal method must be consistent with sound pollution prevention practices. If entrusted to a certified service agency / company, give the details. Attach sample manifests.
- Item 7 The malfunction prevention and abatement plan conveys the applicant's commitment to minimize the emissions, and ensures that the emission rates will always be kept below the levels indicated. The inspection schedule and items of particular importance are to assure continued performance of the control equipment.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: WIND2 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or
Source Name: Wind Erosion at Tailings Cells SIC Code: 1094
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source
Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
General description of equipment and purpose: Wind erosion of the tailing cell beaches.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
<http://www.cdphe.state.co.us/ap/attainmaintain.html>

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
Manufacturer: _____ **Model No.:** _____ **Serial No.:** _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175
 APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP	Water/raffinate spray			50	0.38	ton/acre-year			18.24	9.12	AP-42, 11.9-4
PM ₁₀	Water/raffinate spray			50	0.19	ton/acre-year			9.12	4.56	50% of PM
PM _{2.5}	Water/raffinate spray			50	0.0285	ton/acre-year			1.37	0.68	7.5% of PM
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

Signature of Person Legally Authorized to Supply Data: _____

Date: 7/17/09

Stephen P. Antony
Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer
Title

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: EVAPI _____ [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or
Source Name: Tailing Cells Evaporation SIC Code: 1094
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source
Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
General description of equipment and purpose: Evaporation of the Tailing Cell liquids.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
<http://www.cdphe.state.co.us/ap/attainmaintain.html>

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
Manufacturer: _____ **Model No.:** _____ **Serial No.:** _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

**Colorado Department of Public Health and Environment
 Air Pollution Control Division (APCD)**

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175

APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007):

Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP											
PM ₁₀											
PM _{2.5}											
SO _x											
NO _x											
VOC					1.72	lb/hr			7.53	7.53	Metsim analysis
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

	7/17/09	Stephen P. Antony	Executive Vice President and Chief Operating Officer
Signature of Person Legally Authorized to Supply Data	Date	Name of Legally Authorized Person (Please print)	Title

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default **or** evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) **or** property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); **or**

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdphe.state.co.us/ap/downloadforms.html>

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: WIND3 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or SIC Code: 1094
Source Name: Evaporation Pond Wind Erosion
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes:

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Wind erosion of the exposed area at the evaporation ponds.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175

APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcept.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

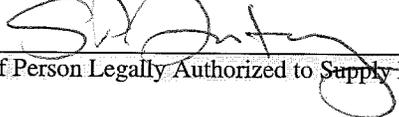
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP	Water/raffinate spray			50	0.38	ton/acre-year			15.2	7.6	AP-42, 11.9-4
PM ₁₀	Water/raffintae spray			50	0.19	ton/acre-year			7.6	3.8	50% of PM
PM _{2.5}	Water/raffinate spray			50	0.0285	ton/acre-year			1.14	0.57	7.5% of PM
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.



 Signature of Person Legally Authorized to Supply Data

7/17/09

 Date

Stephen P. Antony

 Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer

 Title

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & **either** Lat/Long **or** UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (**check one**): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (**check one**): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

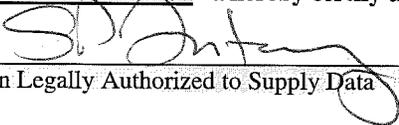
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP											
PM ₁₀											
PM _{2.5}											
SO _x											
NO _x											
VOC					3.1	lb/hr			13.58	13.58	Metsim analysis
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.



Signature of Person Legally Authorized to Supply Data

7/17/09

Date

Stephen P. Antony

Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer

Title

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default or evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) or property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), or property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); or

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), or property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdphe.state.co.us/ap/downloadforms.html>

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: 420-MSS-01 - 04, 430-MSS-01 - 04, 440-MSS-01 - 03, 440-TKH-01 - 02 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or SIC Code: 1094
Source Name: Uranium Solvent Extraction Tanks
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Eight Uranium mixer settler process tanks in Trains A and B, the Uranium scrubber mixer settler process tank, two Uranium stripper mixer settler process tanks, and the loaded and barren organic process tanks.

Will this equipment be operated in any NAAQS nonattainment area? (http://www.cdph.e.state.co.us/ap/attainmaintain.html) Yes No Don't know

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

**Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)**

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175
 APEN forms: <http://www.cdph.e.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdph.e.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

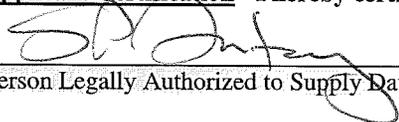
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP											
PM ₁₀											
PM _{2.5}											
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.



 Signature of Person Legally Authorized to Supply Data

7/17/09

 Date

Stephen P. Antony

 Name of Legally Authorized Person (Please print)

Executive Vice President and
 Chief Operating Officer

 Title

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: 620-MSS-01 - 05, 630-MSS-01 - 05, 640-MSS-01 - 04, 640-TKH-01 - 02 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or SIC Code: 1094
Source Name: Vanadium Solvent Extraction Process Tanks
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Ten Vanadium mixer settler process tanks in Trains A and B, the Vanadium scrubber mixer settler process tank, three Vanadium stripper mixer settler process tanks, and the loaded and barren organic process tanks.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175
 APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP											
PM ₁₀											
PM _{2.5}											
SO _x											
NO _x											
VOC					*see calcs				20.77	20.77	Diffusion Eqn.
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

Signature of Person Legally Authorized to Supply Data: _____

Date: 7/17/09

Stephen P. Antony
Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer
Title

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: 730-GHS-01 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or
Source Name: Vanadium Precipitation Vent SIC Code: 1094
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source
Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
General description of equipment and purpose: Process vent that includes five vanadium precipitation tanks, rotary kiln exhaust, vanadium belt filter exhaust, and vanadium steam dryer.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
<http://www.cdphe.state.co.us/ap/attainmaintain.html>

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
Manufacturer: _____ **Model No.:** _____ **Serial No.:** _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

**Colorado Department of Public Health and Environment
 Air Pollution Control Division (APCD)**

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APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175

APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)
730-GHS-01		35	225					12			

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = 8 Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

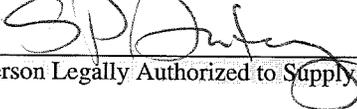
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP					see calcs				0.004	0.004	see calcs
PM ₁₀					see calcs				0.004	0.004	see calcs
PM _{2.5}					see calcs				0.004	0.004	see calcs
SO _x											
NO _x											
VOC											
CO											

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

Signature of Person Legally Authorized to Supply Data: 

Date: 7/17/09

Name of Legally Authorized Person (Please print): Stephen P. Antony

Title: Executive Vice President and Chief Operating Officer

NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

(See reverse side for guidance on completing this form)

Permit Number: _____ **AIRS ID Number:** _____
Company Name: Energy Fuels Resources Corporation
Plant Location: 16910 Highway 90, Bedrock, Colorado **County:** Montrose **Zip Code:** 81411
Person to Contact: Radiation Safety Officer, TBD **Phone Number:** TBD
E-mail Address: TBD **Fax Number:** TBD

Chemical Abstract Service (CAS) Number	Chemical Name	Reporting BIN	Control Equipment / Reduction (%)	Emission Factor (Include Units)	Emission Factor Source	Uncontrolled Actual Emissions (lbs/year)	Controlled Actual Emissions (lbs/year)
7664-41-7	Ammonia	B	99%	*see calc	*see calc	10,300	10,300
0	Radionuclides	A	99%	*see calc	*see calc	8.66e-7	8.66e-7

Reporting Scenario (1, 2 or 3): 1 **Calendar Year for which Actual Data Applies:** N/A



Signature of Person Legally Authorized to Supply Data
 Stephen P. Antony

Name of Person Legally Authorized to Supply Data (Please print)

7/17/09

Date
 Executive Vice President and Chief Operating Officer

Title of Person Legally Authorized to Supply Data

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default or evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) or property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), or property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); or

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), or property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

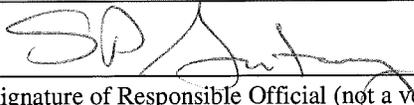
SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdphe.state.co.us/ap/downloadforms.html>

Supplement to Air Pollutant Emission Notice (APEN) for Air Pollution Control Equipment

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility Name and Location: <u>Energy Fuels Resources Pinon Ridge Mill, Montrose County, CO</u>	For APCD use only Permit Number: _____ AIRS Point ID: _____																				
2. Control Device: <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>Type</u></td> <td style="text-align: center;"><u>Make</u></td> <td style="text-align: center;"><u>Model</u></td> <td style="text-align: center;"><u>Serial</u></td> </tr> <tr> <td style="text-align: center;">Wet Packed Bed and Venturi Scrubbers</td> <td style="text-align: center;">Heil</td> <td style="text-align: center;">Series 730, Size 16 and Series 770, Size 18</td> <td style="text-align: center;">TBD</td> </tr> </table>	<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>	Wet Packed Bed and Venturi Scrubbers	Heil	Series 730, Size 16 and Series 770, Size 18	TBD													
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3. Date placed in service or last modified: <u>01/31/2011</u>																					
4. Describe the control device. Attach a diagram of the system. Also attach copies of Operation and Maintenance Instructions supplied by the manufacturer. <u>The control device is a countercurrent wet scrubber designed for removing particulates and ammonia from the vanadium precipitation process. Connected to vanadium precipitation tanks, vanadium belt filter, vanadium steam dryer and rotary kiln. Scrubber air will vent to the atmosphere through a 8 inch diameter by 35 foot high stack.</u>																					
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7. Prepare a malfunction prevention and abatement plan for this pollution control system. Submit this plan with the application. This will be incorporated as a permit condition. The plan may include, but not limited to, the following: <ol style="list-style-type: none"> a. Operation variables such as temperature, flow rates, differential pressures, concentrations, and other vital parameters that will be monitored in order to detect a malfunction or breakthrough, the correct operating range of these variables, and a detailed description of monitoring or surveillance procedures that will be used to show compliance. b. Monitoring equipment used (temperature sensors, pressure sensors, CEMS). c. An inspection schedule and items or conditions that will be inspected. Inspection records will be maintained at the site. d. A maintenance plan to assure continuous compliance. 																					


 Signature of Responsible Official (not a vendor or consultant)

7/17/09
 Date

Stephen P. Antony
 Name of Responsible Official (Please Print)

Executive Vice President and Chief Operating Officer
 Title

Colorado Department of Public Health and Environment
Air Pollution Control Division
Stationary Sources Program

Complete one form for each control device used to reduce air pollutant emissions.

- Item 1 Provide name and location of the facility.
- Item 2 Mention control device, and give the Manufacturer, Model and Serial Number.
- Item 3 Give the date of installation. Also give dates of modifications. Describe these modifications in Item 4.
- Item 4 Give a description of the control device. Attach additional sheets, if necessary.
- Item 5 Give the details of the pollutants that will be controlled. These pertain to the pollutants for which an application for permit is being made.
- Item 6 The disposal method must be consistent with sound pollution prevention practices. If entrusted to a certified service agency / company, give the details. Attach sample manifests.
- Item 7 The malfunction prevention and abatement plan conveys the applicant's commitment to minimize the emissions, and ensures that the emission rates will always be kept below the levels indicated. The inspection schedule and items of particular importance are to assure continued performance of the control equipment.

Supplement to Air Pollutant Emission Notice (APEN) for Air Pollution Control Equipment

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility Name and Location: <u>Energy Fuels Resources Pinon Ridge Mill, Montrose County, CO</u>	For APCD use only Permit Number: _____ AIRS Point ID: _____																				
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3. Date placed in service or last modified: <u>01/31/2011</u>																					
4. Describe the control device. Attach a diagram of the system. Also attach copies of Operation and Maintenance Instructions supplied by the manufacturer. The control device is a dust collector mounted to the vanadium dryer vent. The dust collector vents to a scrubber (vanadium precipitation scrubber). _____ _____																					
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SP Antony

7/17/09

Signature of Responsible Official (not a vendor or consultant)

Date

Stephen P. Antony

Name of Responsible Official (Please Print)

Executive Vice President and Chief Operating Officer

Title

Colorado Department of Public Health and Environment
Air Pollution Control Division
Stationary Sources Program

Complete one form for each control device used to reduce air pollutant emissions.

- Item 1 Provide name and location of the facility.
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AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: 730-GHS-02 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or SIC Code: 1094
 Source Name: Vanadium Packaging Vent
 Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
 Portable Source Home Base: _____
 Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
 Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
 E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source
- Request PORTABLE source permit
- Request MODIFICATION to existing permit (check each box below that applies)
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE
- Request APEN update only (check the box below that applies)
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Process vent that includes the fusion furnace, casting wheel, and vanadium packaging system.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

**Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)**

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175

APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)
730-GHS-02		35	250					12			

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = 16 Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)				
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov	

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

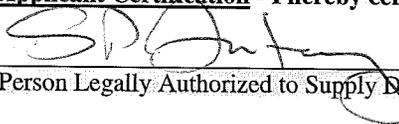
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Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

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Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.



 Signature of Person Legally Authorized to Supply Data

7/17/09

 Date

Stephen P. Antony

 Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer

 Title

Supplement to Air Pollutant Emission Notice (APEN) for Air Pollution Control Equipment

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- Item 1 Provide name and location of the facility.
- Item 2 Mention control device, and give the Manufacturer, Model and Serial Number.
- Item 3 Give the date of installation. Also give dates of modifications. Describe these modifications in Item 4.
- Item 4 Give a description of the control device. Attach additional sheets, if necessary.
- Item 5 Give the details of the pollutants that will be controlled. These pertain to the pollutants for which an application for permit is being made.
- Item 6 The disposal method must be consistent with sound pollution prevention practices. If entrusted to a certified service agency / company, give the details. Attach sample manifests.
- Item 7 The malfunction prevention and abatement plan conveys the applicant's commitment to minimize the emissions, and ensures that the emission rates will always be kept below the levels indicated. The inspection schedule and items of particular importance are to assure continued performance of the control equipment.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: 920-BLR-01 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or SIC Code: 1094
Source Name: Steam Boiler #1
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source**
- Request PORTABLE source permit**
- Request MODIFICATION to existing permit (check each box below that applies)**
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE**
- Request APEN update only (check the box below that applies)**
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Propane-fired boiler that will supply steam to numerous processes within the mill.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹:

Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Colorado Department of Public Health and Environment Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:

Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175

APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>

Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)
920-STK-01		100	455	4,942	37			12			

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = 48 Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: 920-BLR-01 Manufacturer: Cleaver Brooks Model: CBLE-20-300 Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)			
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov
Propane	12.25		12.25	91.5 MMBtu/1000 gal			25	25	25	25

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP					0.008	lb/MMBtu			0.41	0.41	AP-42, 1.5-1
PM ₁₀					0.008	lb/MMBtu			0.41	0.41	same as TSP
PM _{2.5}					0.008	lb/MMBtu			0.41	0.41	same as TSP
SO _x					0.016	lb/MMBtu			0.88	0.88	AP-42, 1.5-1
NO _x	Low NO _x Burner				0.142	lb/MMBtu			7.62	1.95	AP-42, 1.5-1
VOC					0.005	lb/MMBtu			0.29	0.29	AP-42, 1.5-1/1.4
CO					0.082	lb/MMBtu			4.40	4.40	AP-42, 1.5-1

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.


 Signature of Person Legally Authorized to Supply Data

7/17/09
 Date

Stephen P. Antony
 Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer
 Title

NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

(See reverse side for guidance on completing this form)

Permit Number: _____ **AIRS ID Number:** _____

Company Name: Energy Fuels Resources Corporation

Plant Location: 16910 Highway 90, Bedrock, Colorado **County:** Montrose **Zip Code:** 81411

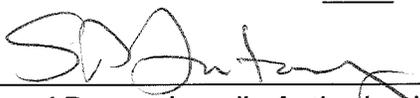
Person to Contact: Radiation Safety Officer, TBD **Phone Number:** TBD

E-mail Address: TBD **Fax Number:** TBD

Chemical Abstract Service (CAS) Number	Chemical Name	Reporting BIN	Control Equipment / Reduction (%)	Emission Factor (lb/MMBtu)	Emission Factor Source	Uncontrolled Actual Emissions (lbs/year)	Controlled Actual Emissions (lbs/year)
91576	2-Methylnaphthalene	A	0%	2.4E-08	AP-42, 1.4	2.52E-03	2.52E-03
71432	Benzene	A	0%	2.1E-06	AP-42, 1.4	2.21E-01	2.21E-01
25321226	Dichlorobenzene		0%	1.2E-06	AP-42, 1.4	1.26E-01	1.26E-01
206440	Fluoranthene	A	0%	2.9E-09	AP-42, 1.4	3.16E-04	3.16E-04
86737	Fluorene	A	0%	2.7E-09	AP-42, 1.4	2.95E-04	2.95E-04
50000	Formaldehyde	A	0%	7.4E-05	AP-42, 1.4	7.89E+00	7.89E+00
110543	Hexane	C	0%	1.8E-03	AP-42, 1.4	1.89E+02	1.89E+02
91203	Naphthalene	B	0%	6.0E-07	AP-42, 1.4	6.42E-02	6.42E-02
85-01-8	Phenanathrene	A	0%	1.7E-08	AP-42, 1.4	1.79E-03	1.79E-03
108883	Toluene	C	0%	3.3E-06	AP-42, 1.4	3.58E-01	3.58E-01
7440382	Arsenic	A	0%	2.0E-07	AP-42, 1.4	2.10E-02	2.10E-02
7440439	Cadmium	A	0%	1.1E-06	AP-42, 1.4	1.16E-01	1.16E-01
7440484	Cobalt	A	0%	8.2E-08	AP-42, 1.4	8.84E-03	8.84E-03
7439965	Manganese	A	0%	3.7E-07	AP-42, 1.4	4.00E-02	4.00E-02
7440020	Nickel	A	0%	2.1E-06	AP-42, 1.4	2.21E-01	2.21E-01

Reporting Scenario (1, 2 or 3): 1

Calendar Year for which Actual Data Applies: N/A



 Signature of Person Legally Authorized to Supply Data
 Stephen P. Antony

7/17/09

 Date
 Executive Vice President and Chief Operating Officer
 Title of Person Legally Authorized to Supply Data

 Name of Person Legally Authorized to Supply Data (Please print)

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default **or** evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) **or** property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); **or**

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdph.state.co.us/ap/downloadforms.html>

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: 920-BLR-02 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or SIC Code: 1094
 Source Name: Steam Boiler #2
 Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
 Portable Source Home Base: _____
 Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
 Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
 E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source
- Request PORTABLE source permit
- Request MODIFICATION to existing permit (check each box below that applies)
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE
- Request APEN update only (check the box below that applies)
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011
 Normal Hours of Source Operation: 24 hours/day 7 days/week 52 weeks/year
 General description of equipment and purpose: Propane-fired boiler that will supply steam to numerous processes within the mill.

Will this equipment be operated in any NAAQS nonattainment area? Yes No Don't know
 (<http://www.cdphe.state.co.us/ap/attainmaintain.html>)

Section 04 – Processing/Manufacturing Equipment Information & Material Use

Description of equipment¹: _____
 Manufacturer: _____ Model No.: _____ Serial No.: _____

	Description	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Design Process Rate (Specify Units/Hour)
Raw Materials:				
Finished Products:				
Other Process:				

¹If additional space is required, please attach a separate list of equipment, materials and throughputs.
²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

**Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)**

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175

APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)
920-STK-01		100	455	4,942	37			12			

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = 48 Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: 920-BLR-02 Manufacturer: Cleaver Brooks Model: CBLE-20-300 Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)			
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov
Propane	12.25		12.25	91.5 MMBtu/1000 gal			25	25	25	25

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP					0.008	lb/MMBtu			0.41	0.41	AP-42, 1.5-1
PM ₁₀					0.008	lb/MMBtu			0.41	0.41	same as TSP
PM _{2.5}					0.008	lb/MMBtu			0.41	0.41	same as TSP
SO _x					0.016	lb/MMBtu			0.88	0.88	AP-42, 1.5-1
NO _x	Low NOx Burner				0.142	lb/MMBtu			7.62	1.95	AP-42, 1.5-1
VOC					0.005	lb/MMBtu			0.29	0.29	AP-42, 1.5-1/1.4
CO					0.082	lb/MMBtu			4.40	4.40	AP-42, 1.5-1

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.



 Signature of Person Legally Authorized to Supply Data

7/17/09

 Date

Stephen P. Antony

 Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer

 Title

NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

(See reverse side for guidance on completing this form)

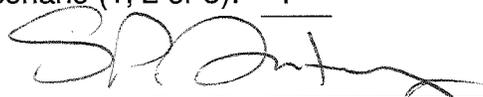
Permit Number: _____
Company Name: Energy Fuels Resources Corporation
Plant Location: 16910 Highway 90, Bedrock, Colorado
Person to Contact: Radiation Safety Officer, TBD
E-mail Address: TBD

AIRS ID Number: _____
County: Montrose **Zip Code:** 81411
Phone Number: TBD
Fax Number: TBD

Chemical Abstract Service (CAS) Number	Chemical Name	Reporting BIN	Control Equipment / Reduction (%)	Emission Factor (lb/MMBtu)	Emission Factor Source	Uncontrolled Actual Emissions (lbs/year)	Controlled Actual Emissions (lbs/year)
91576	2-Methylnaphthalene	A	0%	2.4E-08	AP-42, 1.4	2.52E-03	2.52E-03
71432	Benzene	A	0%	2.1E-06	AP-42, 1.4	2.21E-01	2.21E-01
25321226	Dichlorobenzene		0%	1.2E-06	AP-42, 1.4	1.26E-01	1.26E-01
206440	Fluoranthene	A	0%	2.9E-09	AP-42, 1.4	3.16E-04	3.16E-04
86737	Fluorene	A	0%	2.7E-09	AP-42, 1.4	2.95E-04	2.95E-04
50000	Formaldehyde	A	0%	7.4E-05	AP-42, 1.4	7.89E+00	7.89E+00
110543	Hexane	C	0%	1.8E-03	AP-42, 1.4	1.89E+02	1.89E+02
91203	Naphthalene	B	0%	6.0E-07	AP-42, 1.4	6.42E-02	6.42E-02
85-01-8	Phenanathrene	A	0%	1.7E-08	AP-42, 1.4	1.79E-03	1.79E-03
108883	Toluene	C	0%	3.3E-06	AP-42, 1.4	3.58E-01	3.58E-01
7440382	Arsenic	A	0%	2.0E-07	AP-42, 1.4	2.10E-02	2.10E-02
7440439	Cadmium	A	0%	1.1E-06	AP-42, 1.4	1.16E-01	1.16E-01
7440484	Cobalt	A	0%	8.2E-08	AP-42, 1.4	8.84E-03	8.84E-03
7439965	Manganese	A	0%	3.7E-07	AP-42, 1.4	4.00E-02	4.00E-02
7440020	Nickel	A	0%	2.1E-06	AP-42, 1.4	2.21E-01	2.21E-01

Reporting Scenario (1, 2 or 3): 1

Calendar Year for which Actual Data Applies: N/A



7/17/09

Signature of Person Legally Authorized to Supply Data

Date

Stephen P. Antony

Executive Vice President and Chief Operating Officer

Name of Person Legally Authorized to Supply Data (Please print)

Title of Person Legally Authorized to Supply Data

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default or evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) or property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), or property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); or

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), or property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdphe.state.co.us/ap/downloadforms.html>

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – General

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Emission Release Information (Attach a separate sheet with relevant information in the event of multiple releases; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)
920-STK-01		100	455	4,942	37			12			

Direction of outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____

Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = 48 Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Combustion Equipment & Fuel Consumption Information

Company equipment Identification No.: 920-BLR-03 Manufacturer: Cleaver Brooks Model: CBLE-20-300 Serial No.: _____

Fuel Type	Design Input Rate (10 ⁶ Btu/hr)	Actual Level (For Data Year)	Annual Requested Permitted Level ² (Specify Units)	Fuel Heating Value (Indicate: Btu/lb, Btu/gal, Btu/SCF)	Percent by Weight		Seasonal Fuel Use (% of Annual Use)			
					Sulfur	Ash	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov
Propane	12.25		12.25	91.5 MMBtu/1000 gal			25	25	25	25

²Requested values will become permit limitations. Requested level should consider process growth over the next five years.

Section 07 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): _____

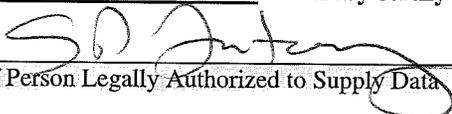
Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ³		Requested Permitted Emissions ⁴		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP					0.008	lb/MMBtu			0.41	0.41	AP-42, 1.5-1
PM ₁₀					0.008	lb/MMBtu			0.41	0.41	same as TSP
PM _{2.5}					0.008	lb/MMBtu			0.41	0.41	same as TSP
SO _x					0.016	lb/MMBtu			0.88	0.88	AP-42, 1.5-1
NO _x	Low NOx Burner				0.142	lb/MMBtu			7.62	1.95	AP-42, 1.5-1
VOC					0.005	lb/MMBtu			0.29	0.29	AP-42, 1.5-1/1.4
CO					0.082	lb/MMBtu			4.40	4.40	AP-42, 1.5-1

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

³Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁴If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

Signature of Person Legally Authorized to Supply Data: 

Date: 7/17/09

Stephen P. Antony
Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer
Title

NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

(See reverse side for guidance on completing this form)

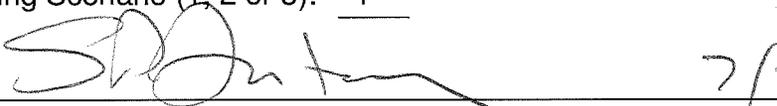
Permit Number: _____
Company Name: Energy Fuels Resources Corporation
Plant Location: 16910 Highway 90, Bedrock, Colorado
Person to Contact: Radiation Safety Officer, TBD
E-mail Address: TBD

AIRS ID Number: _____
County: Montrose **Zip Code:** 81411
Phone Number: TBD
Fax Number: TBD

Chemical Abstract Service (CAS) Number	Chemical Name	Reporting BIN	Control Equipment / Reduction (%)	Emission Factor (lb/MMBtu)	Emission Factor Source	Uncontrolled Actual Emissions (lbs/year)	Controlled Actual Emissions (lbs/year)
91576	2-Methylnaphthalene	A	0%	2.4E-08	AP-42, 1.4	2.52E-03	2.52E-03
71432	Benzene	A	0%	2.1E-06	AP-42, 1.4	2.21E-01	2.21E-01
25321226	Dichlorobenzene		0%	1.2E-06	AP-42, 1.4	1.26E-01	1.26E-01
206440	Fluoranthene	A	0%	2.9E-09	AP-42, 1.4	3.16E-04	3.16E-04
86737	Fluorene	A	0%	2.7E-09	AP-42, 1.4	2.95E-04	2.95E-04
50000	Formaldehyde	A	0%	7.4E-05	AP-42, 1.4	7.89E+00	7.89E+00
110543	Hexane	C	0%	1.8E-03	AP-42, 1.4	1.89E+02	1.89E+02
91203	Naphthalene	B	0%	6.0E-07	AP-42, 1.4	6.42E-02	6.42E-02
85-01-8	Phenanathrene	A	0%	1.7E-08	AP-42, 1.4	1.79E-03	1.79E-03
108883	Toluene	C	0%	3.3E-06	AP-42, 1.4	3.58E-01	3.58E-01
7440382	Arsenic	A	0%	2.0E-07	AP-42, 1.4	2.10E-02	2.10E-02
7440439	Cadmium	A	0%	1.1E-06	AP-42, 1.4	1.16E-01	1.16E-01
7440484	Cobalt	A	0%	8.2E-08	AP-42, 1.4	8.84E-03	8.84E-03
7439965	Manganese	A	0%	3.7E-07	AP-42, 1.4	4.00E-02	4.00E-02
7440020	Nickel	A	0%	2.1E-06	AP-42, 1.4	2.21E-01	2.21E-01

Reporting Scenario (1, 2 or 3): 1

Calendar Year for which Actual Data Applies: N/A



7/17/09

Signature of Person Legally Authorized to Supply Data

Date

Stephen P. Antony

Executive Vice President and Chief Operating Officer

Name of Person Legally Authorized to Supply Data (Please print)

Title of Person Legally Authorized to Supply Data

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default or evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) or property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), or property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); or

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), or property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdphe.state.co.us/ap/downloadforms.html>

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – Reciprocating Internal Combustion Engine

Permit Number: _____ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** _____ / _____ / _____
Facility Equipment ID: 1000-SG-01 [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: Energy Fuels Resources Corporation NAICS, or SIC Code: 1094
Source Name: Standby Generator
Source Location: 16910 Highway 90 County: Montrose
Bedrock, Colorado 81411 Elevation: 5,480 Feet
Portable Source Home Base: _____
Mailing Address: 44 Union Boulevard, Suite 600 ZIP Code: 80228
Lakewood, Colorado
Person To Contact: Radiation Safety Officer, TBD Phone Number: TBD
E-mail Address: TBD Fax Number: TBD

Section 02 – Requested Action (check applicable request boxes)

- Request for NEW permit or newly reported emission source
- Request PORTABLE source permit
- Request MODIFICATION to existing permit (check each box below that applies)
 - Change fuel or equipment Change company name
 - Change permit limit Transfer of ownership Other
- Request to limit HAPs with a Federally enforceable limit on PTE
- Request APEN update only (check the box below that applies)
 - Revision to actual calendar year emissions for emission inventory
 - Update 5-Year APEN term without change to permit limits or previously reported emissions
- Notification of AOS permanent replacement

Addl. Info. & Notes: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____
 Normal hours of source operation: _____ hours/day _____ days/week _____ weeks/year
 General description of equipment purpose: Diesel fired engine for emergency power supply.
 Date the engine was ordered: _____ Date engine construction commenced: _____
 Date the engine was relocated into Colorado: _____ Date of any reconstruction/modification: _____

For new or reconstructed sources, the projected startup date is: 01 / 31 / 2011

Will this equipment be operated in any NAAQS nonattainment area? (http://www.cdphe.state.co.us/ap/attainmaintain.html) Yes No Don't know

Section 04 – Engine Information

Engine date of manufacture: _____ **Engine displacement:** 4.8 L/cyl
Manufacturer: MTU Detroit Diesel **Model:** 16V4000 G43 **Serial No.:** _____
Engine function: Primary and/or peaking power Emergency back-up power
 Compression Pump jack Water pump Other: _____
Manufacturer's maximum rated horsepower @ sea level: 3,058 BHP @ 1800 RPM
Manufacturer's maximum site rating: _____ BHP @ _____ RPM _____ kW
Engine Brake Specific Fuel Consumption @ 100% Load: _____ Btu/HP-hr
Cycle Type: 2-Stroke 4-Stroke **Combustion:** Lean Burn Rich Burn
Ignition Source: Spark Compression **Aspiration:** Natural Turbocharged

What is the maximum number of hours this engine is used for emergency back-up power? _____ Hours/year

Colorado Department of Public Health and Environment
Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:
 Air Pollution Control Division: (303) 692-3150
 Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175
 APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>
 Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- Check box to request copy of draft permit prior to issuance.
- Check box to request copy of draft permit prior to public notice.

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – Reciprocating Internal Combustion Engine

Permit Number: _____

Emission Source AIRS ID: _____ / _____ / _____

Section 05 – Stack Information (Attach a separate sheet with relevant information in the event of multiple stacks; provide datum & either Lat/Long or UTM)

Operator Stack ID No.	Stack Base Elevation (feet)	Stack Discharge Height Above Ground Level (feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)
1000-SG-01			896					12			

Direction of stack outlet (check one): Vertical Vertical with obstructing raincap Horizontal Down Other (Describe): _____
 Exhaust Opening Shape & Size (check one): Circular: Inner Diameter (inches) = _____ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Fuel Consumption Information

Fuel Type	Fuel Use Rate @ 100% load (SCF/hr, gal/hr)	Annual Fuel Consumption (gal/yr or MMSCF/yr)		Fuel Heating Value (Btu/lb, Btu/gal, Btu/SCF)	Sulfur Content (% wt.)	Seasonal Fuel Use (% of Annual Use)			
		Actual Reported for Calendar Year	Requested Permit Limit			Dec-Feb	Mar-May	Jun-Aug	Sep-Nov
Diesel	147.3 gal/hr			19300 Btu/lb	0.05 %	25	25	25	25

Is this engine equipped with an Air/Fuel ratio controller? Yes No

Section 07 – Emissions Inventory Information & Emission Control Information

Emission Factor Documentation attached Data year for actual calendar yr. emissions below & fuel use above (e.g. 2007): _____

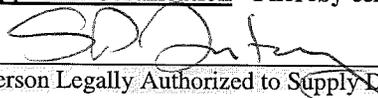
Pollutant	Control Device Description		Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ¹		Requested Permitted Emissions ²		Estimation Method or Emission Factor Source
	Primary	Secondary		Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP				0.0697	lb/hp-hr			9.35	9.35	AP-42 Table 3.4-2
PM ₁₀				0.0573	lb/hp-hr			7.68	7.68	AP-42 Table 3.4-2
PM _{2.5}				0.0556	lb/hp-hr			7.46	7.46	AP-42 Table 3.4-2
SO _x				4.45e-6	lb/hp-hr			0.001	0.001	AP-42 Table 3.4-1
NO _x				0.024	lb/hp-hr			3.22	3.22	AP-42 Table 3.4-1
VOC				6.42e-4	lb/hp-hr			0.09	0.09	AP-42 Table 3.4-1
CO				5.50e-3	lb/hp-hr			0.74	0.74	AP-42 Table 3.4-1
Formaldehyde				1.08e-5	lb/gal			7.96e-5	7.96e-5	AP-42 Table 3.4-3
Acetaldehyde				3.45e-6	lb/gal			2.54e-5	2.54e-5	AP-42 Table 3.4-3
Acrolein				1.08e-6	lb/gal			7.95e-6	7.95e-6	AP-42 Table 3.4-3
Benzene				1.06e-4	lb/gal			7.83e-4	7.83e-4	AP-42 Table 3.4-3

Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.

¹ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

² If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

Section 08 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.


 Signature of Person Legally Authorized to Supply Data

7/17/09
 Date

Stephen P. Antony
 Name of Legally Authorized Person (Please print)

Executive Vice President and Chief Operating Officer
 Title

NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

(See reverse side for guidance on completing this form)

Permit Number: _____ **AIRS ID Number:** _____
Company Name: Energy Fuels Resources Corporation
Plant Location: 16910 Highway 90, Bedrock, Colorado **County:** Montrose **Zip Code:** 81411
Person to Contact: Radiation Safety Officer, TBD **Phone Number:** TBD
E-mail Address: TBD **Fax Number:** TBD

Chemical Abstract Service (CAS) Number	Chemical Name	Reporting BIN	Control Equipment / Reduction (%)	Emission Factor (lb/gal)	Emission Factor Source	Uncontrolled Actual Emissions (lbs/year)	Controlled Actual Emissions (lbs/year)
108883	Toluene	C	0%	3.85e-5	AP-42, 3.4	5.67E-01	5.67E-01
1330207	Xylenes	C	0%	2.64e-5	AP-42, 3.4	3.90E-01	3.90E-01
91203	Naphthalene	B	0%	1.78e-5	AP-42, 3.4	2.62E-01	2.62E-01

Reporting Scenario (1, 2 or 3): 1 **Calendar Year for which Actual Data Applies:** N/A



 Signature of Person Legally Authorized to Supply Data
 Stephen P. Antony

 Name of Person Legally Authorized to Supply Data (Please print)

7/17/09

 Date
 Executive Vice President and Chief Operating Officer

 Title of Person Legally Authorized to Supply Data

GUIDANCE FOR NON-CRITERIA REPORTABLE AIR POLLUTANT EMISSION NOTICE ADDENDUM

Non-Criteria Reportable Air Pollutant Emission Notice Addendum: This form should be completed to report emissions of Hazardous Air Pollutants (HAP) and other non-criteria reportable pollutants listed in Regulation 3, Part A, Appendix B.

Permit Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the permit number previously issued by the APCD.

AIRS ID Number: For New Permit Applications leave this blank. For modifications to existing permits, please list the emissions point AIRS ID number previously issued by the APCD.

Chemical Abstract Service (CAS) Number and Chemical Name: Please list the CAS number and common chemical name for each non-criteria reportable air pollutant that is emitted from this emission point. A list of CAS numbers and common chemical names may be found in Regulation 3, Appendix B.

Reporting BIN: Please list the reporting BIN for each non-criteria reportable pollutant reported. The reporting BIN may be determined by reviewing Regulation 3, Appendix B.

Reporting Scenario: The reporting scenario is established by evaluating the release point of the emission unit and the proximity of the property boundary closest to the release point according to the definitions and scenarios described below. Further details on how to determine the appropriate reporting scenario are contained in Regulation 3, Appendix A. The Division will assume scenario "1" if this information is left blank. Otherwise, an operator may choose scenario "1" by default **or** evaluate the reporting scenario based on the following definitions:

Release Point: the lowest height above ground level from which the pollutants are emitted to the atmosphere.

Property Boundary: the distance from the base of the release point to the nearest property boundary.

Point: an individual emission point or a group of individual emission points reported on one Air Pollutant Emission Notice as provided for in Part A, section II.B.4.

Scenario 1: Release point less than 10 meters (~ 33 feet) **or** property boundary less than 100 meters (~ 328 feet);

Scenario 2: Release point equal to or greater than 10 meters (~ 33 feet), but less than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 100 meters (~ 328 feet), but less than 500 meters (~ 1,640 feet); **or**

Scenario 3: Release point equal to or greater than 50 meters (~ 164 feet), **or** property boundary equal to or greater than 500 meters (~ 1,640 feet).

Control Equipment / Reduction (%): Please list the type of control equipment used (i.e. SCR, NSCR, Flare, Thermal Oxidizer, etc.) and report the minimum percent reduction achieved by the control equipment.

Emission Factor: Please list the emission factor used to calculate the emission rates listed in the actual emission columns. Fill this information out if the applicant has calculated emissions in lieu of having the Air Pollution Control Division (APCD) calculate the emissions for the company.

Emission Factor Source: Example emission factor sources include: AP-42, GRI HAP Calc., EPA TANKS, GRI GLY Calc., Manufacturer's Emission Factor, and Mass Balance.

Uncontrolled Actual Emissions: Enter the actual uncontrolled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point excluding any emission reduction achieved by control equipment.

Controlled Actual Emissions: Enter the actual controlled data year (projected first year emissions for new sources) emissions (lbs/year) from the reported emission point including the emission reduction listed in the "Control Equipment Reduction (%)" column. Enter "N/A" if the emissions are uncontrolled.

SUBMITTAL OF THIS ADDENDUM MUST BE ACCOMPANIED BY AN AIR POLLUTANT EMISSION NOTICE (APEN)

Copies of this form may be obtained on the Internet at the following URL: <http://www.cdphe.state.co.us/ap/downloadforms.html>

Supplement to Air Pollutant Emission Notice (APEN) for Air Pollution Control Equipment

SEE INSTRUCTIONS ON REVERSE SIDE

<p>1. Facility Name and Location: <u>Energy Fuels Resources Pinon Ridge Mill, Montrose County, CO</u></p>	<p style="font-size: small;">For APCD use only</p> <p>Permit Number: _____</p> <p>AIRS Point ID: _____</p>																									
<p>2. Control Device:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; border-bottom: 1px solid black;"><u>Type</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>Make</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>Model</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>Serial</u></td> </tr> <tr> <td style="text-align: center;">Diatomaceous Earth Dust Filter</td> <td style="text-align: center;">Dynamic Air</td> <td style="text-align: center;">Bagbuster Series 319 model 1032</td> <td style="text-align: center;">TBD</td> </tr> </table>	<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>	Diatomaceous Earth Dust Filter	Dynamic Air	Bagbuster Series 319 model 1032	TBD																		
<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>																							
Diatomaceous Earth Dust Filter	Dynamic Air	Bagbuster Series 319 model 1032	TBD																							
<p>3. Date placed in service or last modified: <u>01/31/2011</u></p>																										
<p>4. Describe the control device. Attach a diagram of the system. Also attach copies of Operation and Maintenance Instructions supplied by the manufacturer.</p> <p><u>Dust filter integral to the diatomaceous earth bag breaker system. The diatomaceous bag breaker system does not require an APEN form because the emissions are below the 2 ton/year threshold. This form is for informational purposes and to account for all the control devices.</u></p>																										
<p>5. List the pollutants this equipment controls and the control efficiency for each pollutant on the table below. Attach documents to support the information.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Pollutant</th> <th style="width: 20%;">Estimated / actual inlet pollutant concentration (tons/year)</th> <th style="width: 15%;">Emission capture efficiency, %</th> <th style="width: 20%;">Outlet pollutant concentration (tons/year)</th> <th style="width: 30%;">Control Efficiency, %</th> </tr> </thead> <tbody> <tr> <td>PM</td> <td>4.65e-2</td> <td>100%</td> <td>4.65e-4</td> <td>99%</td> </tr> <tr> <td>PM₁₀</td> <td>4.65e-2</td> <td>100%</td> <td>4.65e-4</td> <td>99%</td> </tr> <tr> <td>PM_{2.5}</td> <td>2.33e-2</td> <td>100%</td> <td>2.33e-4</td> <td>99%</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Pollutant	Estimated / actual inlet pollutant concentration (tons/year)	Emission capture efficiency, %	Outlet pollutant concentration (tons/year)	Control Efficiency, %	PM	4.65e-2	100%	4.65e-4	99%	PM ₁₀	4.65e-2	100%	4.65e-4	99%	PM _{2.5}	2.33e-2	100%	2.33e-4	99%					
Pollutant	Estimated / actual inlet pollutant concentration (tons/year)	Emission capture efficiency, %	Outlet pollutant concentration (tons/year)	Control Efficiency, %																						
PM	4.65e-2	100%	4.65e-4	99%																						
PM ₁₀	4.65e-2	100%	4.65e-4	99%																						
PM _{2.5}	2.33e-2	100%	2.33e-4	99%																						
<p>6. Description of method of handling the collected material for reuse or disposal.</p> <p><u>Dust filter vents to the atmosphere near the bag breaker. Diatomaceous earth material is contained in the bottom of the bag breaker and enters the process tank where it becomes mixed with water to create a solution.</u></p>																										
<p>7. Prepare a malfunction prevention and abatement plan for this pollution control system. Submit this plan with the application. This will be incorporated as a permit condition. The plan may include, but not limited to, the following:</p> <ol style="list-style-type: none"> a. Operation variables such as temperature, flow rates, differential pressures, concentrations, and other vital parameters that will be monitored in order to detect a malfunction or breakthrough, the correct operating range of these variables, and a detailed description of monitoring or surveillance procedures that will be used to show compliance. b. Monitoring equipment used (temperature sensors, pressure sensors, CEMS). c. An inspection schedule and items or conditions that will be inspected. Inspection records will be maintained at the site. d. A maintenance plan to assure continuous compliance. 																										


 Signature of Responsible Official (not a vendor or consultant)

7/17/09
 Date

Stephen P. Antony
 Name of Responsible Official (Please Print)

Executive Vice President and Chief Operating Officer
 Title

Colorado Department of Public Health and Environment
Air Pollution Control Division
Stationary Sources Program

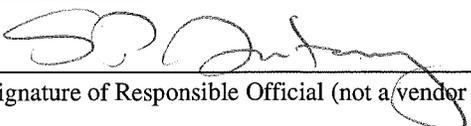
Complete one form for each control device used to reduce air pollutant emissions.

- Item 1 Provide name and location of the facility.
- Item 2 Mention control device, and give the Manufacturer, Model and Serial Number.
- Item 3 Give the date of installation. Also give dates of modifications. Describe these modifications in Item 4.
- Item 4 Give a description of the control device. Attach additional sheets, if necessary.
- Item 5 Give the details of the pollutants that will be controlled. These pertain to the pollutants for which an application for permit is being made.
- Item 6 The disposal method must be consistent with sound pollution prevention practices. If entrusted to a certified service agency / company, give the details. Attach sample manifests.
- Item 7 The malfunction prevention and abatement plan conveys the applicant's commitment to minimize the emissions, and ensures that the emission rates will always be kept below the levels indicated. The inspection schedule and items of particular importance are to assure continued performance of the control equipment.

Supplement to Air Pollutant Emission Notice (APEN) for Air Pollution Control Equipment

SEE INSTRUCTIONS ON REVERSE SIDE

<p>1. Facility Name and Location: <u>Energy Fuels Resources Pinon Ridge Mill, Montrose County, CO</u></p>	<p>For APCD use only Permit Number: _____ AIRS Point ID: _____</p>																				
<p>2. Control Device: <u>Wet Venturi Scrubber</u></p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><u>Type</u></td> <td style="text-align: center;"><u>Make</u></td> <td style="text-align: center;"><u>Model</u></td> <td style="text-align: center;"><u>Serial</u></td> </tr> <tr> <td style="text-align: center;">Wet Venturi Scrubber</td> <td style="text-align: center;">Heil</td> <td style="text-align: center;">Series 770, Size 18</td> <td style="text-align: center;">TBD</td> </tr> </table>	<u>Type</u>	<u>Make</u>	<u>Model</u>	<u>Serial</u>	Wet Venturi Scrubber	Heil	Series 770, Size 18	TBD													
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<p>3. Date placed in service or last modified: <u>01/31/2011</u></p>																					
<p>4. Describe the control device. Attach a diagram of the system. Also attach copies of Operation and Maintenance Instructions supplied by the manufacturer. <u>The control device is a variable throat venturi type scrubber that is connected to the uranium precipitation tanks. Sulfuric acid emissions from the precipitation tanks are considered negligible because the free acid in solution is estimated to be 0.001%. Thus, the precipitation tank vent stream that this device controls does not require an APEN and this form is for informational purposes and to keep record of all control devices. Scrubber air will vent to the atmosphere through a 12 inch diameter by 35 foot high stack.</u></p>																					
<p>5. List the pollutants this equipment controls and the control efficiency for each pollutant on the table below. Attach documents to support the information.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Pollutant</th> <th style="width: 20%;">Estimated / actual inlet pollutant concentration (tons/year)</th> <th style="width: 15%;">Emission capture efficiency, %</th> <th style="width: 20%;">Outlet pollutant concentration (tons/year)</th> <th style="width: 30%;">Control Efficiency, %</th> </tr> </thead> <tbody> <tr> <td>Sulfuric Acid</td> <td>Negligible emissions</td> <td>100%</td> <td>Negligible emissions</td> <td>99%</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Pollutant	Estimated / actual inlet pollutant concentration (tons/year)	Emission capture efficiency, %	Outlet pollutant concentration (tons/year)	Control Efficiency, %	Sulfuric Acid	Negligible emissions	100%	Negligible emissions	99%										
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<p>6. Description of method of handling the collected material for reuse or disposal. <u>Captured particles from the scrubber are circulated back to the pre-leach circuit.</u></p>																					
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