

STATE OF MISSOURI



DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 052013-012 Project Number: 2013-02-035

Installation Number: 169-0004

Parent Company: Department of the Army Installation Management Command - Central Region

Parent Company Address: 1835 Army Blvd, Fort Sam Houston, TX 78234

Installation Name: US Army Garrison and Fort Leonard Wood

Installation Address: 1334 1st Street, BLDG 2222, ATTN: IMLD-PWE, Fort Leonard Wood, MO 65473

Location Information: Pulaski County, S11, T35N, R11W

Application for Authority to Construct was made for: Dual-fuel boiler (EP-002BB) at Building 311A. This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

Standard Conditions (on reverse) are applicable to this permit.

Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

MAY 23 2013

EFFECTIVE DATE

DIRECTOR OR DESIGNEE  
DEPARTMENT OF NATURAL RESOURCES

## STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Department's Air Pollution Control Program of the anticipated date of startup of these air contaminant sources. The information must be made available within 30 days of actual startup. Also, you must notify the Department of Natural Resources Regional office responsible for the area within which you are located within 15 days after the actual startup of these air contaminant sources.

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources' personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant sources(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.

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Permit No.	
Project No.	2013-02-035

**SPECIAL CONDITIONS:**

The permittee is authorized to construct and operate subject to the following special conditions:

*The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."*

US Army Garrison and Fort Leonard Wood  
Pulaski County, S11, T35N, R11W

1. Operational Requirement - Fuel Type
  - A. US Army Garrison and Fort Leonard Wood shall combust exclusively pipeline grade natural gas or ultra-low sulfur distillate fuel oil in the boiler (EP-002BB).
  - B. US Army Garrison and Fort Leonard Wood shall keep fuel usage and supplier certification records in accordance with 40 CFR 60 Subpart Dc.
2. Record Keeping and Reporting Requirements
  - A. US Army Garrison and Fort Leonard Wood shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. These records shall include MSDS for all materials used.
  - B. US Army Garrison and Fort Leonard Wood shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which any record required by this permit shows an exceedance of a limitation imposed by this permit.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE  
SECTION (5) REVIEW

Project Number: 2013-02-035  
Installation ID Number: 169-0004  
Permit Number:

US Army Garrison and Fort Leonard Wood  
1334 1st Street, BLDG 2222, ATTN: IMLD-PWE  
Fort Leonard Wood, MO 65473

Complete: February, 27, 2013

Parent Company:  
Department of the Army Installation Management Command - Central Region  
1835 Army Blvd  
Fort Sam Houston, TX 78234

Pulaski County, S11, T35N, R11W

REVIEW SUMMARY

- US Army Garrison and Fort Leonard Wood has applied for authority to construct a dual-fuel boiler at Building 311A.
- Potential HAP emissions are expected from the combustion of natural gas and distillate fuel oil.
- 40 CFR 60 Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units* applies to the boiler. The boiler is not subject to emission limitations, but is subject to initial notification, fuel usage recordkeeping, and fuel supplier certification requirements.
- None of the NESHAPs under 40 CFR Subpart 61 apply to the boiler.
- None of the MACTs under 40 CFR Subpart 63 apply to the boiler. The boiler will likely be operated as gas-fired and therefore be exempt from Subpart JJJJJJ, *National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources*. The installation will determine applicability from actual operation.
- No air pollution control equipment is being used in association with the new equipment.
- This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of all pollutants are below respective de minimis levels. Potential emissions of NO<sub>x</sub> are above the 10 CSR 10-6.061(3)(A)3.A. insignificant emission exemption level of 2.75 lb/hr, thus requiring a construction permit.

- This installation is located in Pulaski County, an attainment area for all criteria pollutants.
- This installation is not on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2. The installation's major source level is 250 tons per year and fugitive emissions are not counted toward major source applicability.
- Ambient air quality modeling was not performed since potential emissions of the application are below respective de minimis levels.
- Emissions testing is not required for this permit.
- Submittal of an application to amend the Part 70 Operating Permit is required for this installation within one year of boiler (EP-002BB) startup.
- Approval of this permit is recommended with special conditions.

### INSTALLATION DESCRIPTION

US Army Garrison and Fort Leonard Wood is a federal military installation located on approximately 63,000 acres of land in Pulaski County. The primary purpose of the installation is to train enlisted and officer personnel in basic combat training, military engineering and motor vehicle operations. This includes: bridging, demolitions, placement and removal of land mines; placement and breaching of obstacles designated to prevent movement; and construction and maintenance of buildings, utility systems and roads. Training is also provided in operations, repair, and maintenance of heavy equipment, and tracked/wheeled vehicles.

The installation is a Part 70 source under operating permits. The installation may be a major NO<sub>x</sub> source under construction permits. However, due to the installation's extensive permit history the status is not known at the time of this permit's issuance. If the installation were a major NO<sub>x</sub> source, it would not affect this permit. If the installation were a major HAP source, it would affect the boiler's MACT applicability. Installation-wide PTE for all NSR regulated pollutants should be submitted with the next operating permit amendment application to determine the source type.

The following construction permits have been issued to US Army Garrison and Fort Leonard Wood from the Air Pollution Control Program.

Table 1: Construction Permit History

Project Number	Permit Number	Description
2012-07-100	0995-017B	Crushing plant amendment
2011-06-031	pending	Add generators to Prime Power School
2009-07-025	072009-012	Temporary permit for Prime Power School
2008-09-029	042009-006	Crushing plant
2008-07-094	082002-024	Soil and vegetation monitoring plan
2008-03-097	082002-024B	Soil and vegetation sampling changes
2008-03-010	092008-001	40 tpy NO <sub>x</sub> limit for Prime Power School
2007-10-028	082002-024	Monitoring network changes

2007-05-036	082002-024C	Soil and vegetation sampling
2005-10-039	082002-024B	Reporting requirements
2005-09-013	072003-022A	Sulfur and nitrogen determinations
2005-09-014	082002-024A	New training areas
2004-05-116	082002-024A	Monitor location
2003-06-026	072003-022	A Section (5) permit issued to install one new dual-fuel 400 horsepower (HP) steam boiler in Building 311A to provide steam for space heating and other hospital uses.
2003-04-125	062003-015	A Section (5) permit application for a new 400 kW generator at the Forney Air Field to replace several of the existing emergency generators.
2003-04-124	062003-005	A Section (5) permit issued to install two (2) new dry cleaning machines to the existing installation to replace the two (2) existing dry cleaning units.
2003-01-058	52000-004A	An amendment to Permit Number 052000-004 approved on March 24, 2003 to remove the quarterly reporting requirements for the fire training activities included in the original permit.
2001-12-051	082002-024	A Section (6) permit issued as a corrective action to entirely replace and vacate two (2) previously issued Prevention of Significant Deterioration permits (Numbers 0695-010 and 1099-001) and any subsequent amendments related to these permits that were issued by the Missouri Air Pollution Control Program. This "corrective action" permit was issued as a result of the new guidance received from the Environmental Protection Agency, Region VII on December 14, 2001 concerning this installation.
2001-12-052	022002-009	A Section (5) permit issued as a corrective action for the addition of a new 150 ton per hour asphalt plant in March of 1995 that replaced an existing grand-fathered asphalt plant of the same size. Project number 3860-0004-029 incorrectly concluded that this replacement of the asphalt plant would not have required a New Source Review (NSR) permit and a No Permit Required letter was sent on March 13, 1995.
2001-07-017	1099-001C	An amendment to Permit Number 1099-001 to include language that would allow the usage of an automated Look-Up Table system as an alternate compliance mechanism after final approval was obtained from the Air Pollution Control Program.
2001-02-056	1099-001B	An amendment to Permit Number 1900-001 to approve one (1) additional smoke training site to be added to the list of approved site locations for this activity.
2000-11-040	052001-011	A Section (5) permit issued to establish a 25 ton per year Volatile Organic Compounds (VOC) limitation on a number of existing fuel storage tanks. The permit also supersedes some existing throughput, capacity and material stored restrictions that were established in Permit Number's 0294-007, 0294-007A, and 0895-030.
2000-10-072	052001-010	A Section (5) permit issued to establish a 30 ton per year VOC limitation on the painting operations in Buildings Number 5138, Number 5265 and Number 5266. The permit also supersedes some existing throughput limitations on these same painting operations that were established in Permit Number's 0294-007, 0294-007A, 0697-0903, and 0998-032.
2000-05-011	1099-001A	An amendment to Permit Number 1099-001 issued to increase the allowable insignificant level of fog oil usage to 876 pounds per year due to a rule change and to allow a vegetable based fog oil product to be tested.
2000-03-057	082000-006	A Section (5) Permit issued to construct a Bureau of Alcohol, Tobacco and Firearms (BATF) explosive range and classroom.
2000-03-043	052000-004	A Section (5) Permit issued to construct a structure to conduct fire

		training exercises.
2000-01-079	1099-001A	An amendment to Permit Number 1099-001 issued to add additional operational scenarios to the original Look-Up Tables of the permit.
1999-09-040	0999-015	A Section (5) permit issued for the switch in fuels in the fog oil generators from unleaded gasoline as allowed in Permit Number 0695-010 to JP-8.
1999-03-020	0699-022	A Section (5) permit issued for the installation of a 300 kilowatt (kW) emergency generator instead of a 175 kW generator originally permitted for the CDTF in Permit Number 0495-013A.
1998-11-105	1099-001	A Section (8) modification to Permit Number 0695-010 for the new sources related to the move of the U.S. Army Chemical and Military Police Schools to U.S. Army Engineer Center and Fort Leonard Wood that were not included in the original permit.
1998-07-029	0998-032	A Section (5) permit issued to increase the CARC paint usage in the Bldg. 5138 paint booth.
1998-05-090	0695-010A	A request for a one (1) year extension to begin construction of Air Pollution Control Program Permit Number 0695-010. The extension request was granted on February 10, 1997.
1998-04-027	0495-013A	An amendment to Permit Number 0495-013 to replace the incinerator originally permitted with seven (7) new 0.875 MMBTU/hr boilers and one (1) redundant 175 kW standby generator.
3860-0004-033	0897-013	A Section (5) permit issued for the installation of six (6) used oil heaters.
3860-0004-032	0697-003	A Section (5) permit issued to modify Permit Number 0294-007 to reflect addition of a new paint booth.
3860-0004-031	0294-007A	An amendment to Permit Number 0294-007 issued to allow the usage of a clear coat material in Building 5266.
3860-0004-030	0590-004A	An amendment to Permit Number 0590-004 to allow the burning of Type (5) medical/infectious waste materials in the medical waste incinerator.
3860-0004-028	0895-030	A Section (5) permit issued to increase the storage capacity of above ground storage tanks, an increase in throughput of RVP 7 and RVP 13 fuel and to switch to JP-8 from JP-4.
3860-0004-027	0879-002	A Section (6) permit issued for an incinerator to burn refuse.
3860-0004-026	0495-013	A Section (5) permit issued to construct a Chemical Decontamination Training Facility (CDTF) and Thermal Treatment Unit.
3860-0004-025	0995-017	A Section (5) permit issued for the addition of a new 150 ton per hour rock crushing plant. Ownership of the rock crushing plant installed under this permit has been transferred to the Missouri National Guard.
3860-0004-023	0794-011	A Section (5) permit issued to install/modify two (2) 10.25 MMBTU/hr boilers to use either fuel oil or natural gas and for the construction of six (6) new 4.45 MMBTU/hr natural gas boilers.
3860-0004-022	0294-007	A Section (5) permit issued to construct three (3) paint booths that were installed in 1980 and also for the addition of a fourth paint booth in Building 5138.
3860-0004-021	0392-011	A Section (6) permit issued to construct a rock crushing/screening plant.
3860-0004-020	0891-003	A Section (5) permit issued to construct a rock crushing/screening plant.
3860-0004-019	0790-007	A Section (5) permit issued to construct a 150 ton per hour rock crushing/screening plant.
3860-0004-018	0590-004	A Section (5) permit issued to construct an incinerator to destroy Type 0, 1, & 4 wastes. This incinerator permit replaced the incinerator permitted under Permit Number 0983-019 and this permit was superseded by Air Pollution Control Program Permit Number 1099-001 and also later by Air Pollution Control Program Permit Number

		082002-024.
3860-0004-017	0983-019	A Section (5) permit to construct a Type IV waste incinerator.
3860-0004-016	0979-030	A Section (5) permit to construct one (1) 2.1 MMBTU/hr #2 Fuel Oil fired boiler to be used for space heating.
3860-0004-015	0695-010	A Section (8) permit issued to construct a static and mobile fog oil smoke training facility. This permit was vacated after the issuance of Permit Number 082002-024.
3860-0004-010	0879-010 & 0879-011	An amendment to Permit Number 0879-002 to allow the construction of two (2) additional incinerators that are identical to the incinerator permitted under Permit Number 0879-002. This amendment was to include these two (2) additional incinerators that should have been included under the original permit.
3860-0004-005	0179-006 to 0179-016	A Section (5) permit to construct eleven (11) new petroleum storage tanks with eight (8) of the tanks being subject to NSPS Subpart K requirements.

### PROJECT DESCRIPTION

The installation proposes to install a Hurst 500 hp boiler equipped with a Weishaupt burner model RGL70/1-B version ZM-NR. The burner is dual-fuel with natural gas and fuel oil and is rated at 25.25 MMBtu/hr heat input. Boiler output will be used for space heating and other hospital use. The boiler is not equipped with any pollution control devices.

### EMISSIONS/CONTROLS EVALUATION

The emission factors and control efficiencies used in this analysis were obtained from the EPA document AP-42, *Compilation of Air Pollutant Emission Factors, Fifth Edition, Natural Gas Combustion, Section 1.4, July 1998, and Fuel Oil Combustion, Section 1.3, May 2010*. As the boiler is a proposed emission unit, and MACT applicability is based upon actual operation, potential emissions were based upon natural gas and fuel oil combustion. The higher potential emissions were selected per respective pollutant, regardless of the fuel type. Potential emissions of PM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, NO<sub>x</sub>, formaldehyde, and GHG (CO<sub>2e</sub>) are higher for fuel oil. Potential emissions of VOC, CO, and combined HAPs are higher for natural gas.

The following table provides an emissions summary for this project. Existing potential emissions were cited from permit 092008-001 and are subject to revision. Existing actual emissions were cited from the installation's 2012 EIQ. Potential emissions of the application represent the potential of the new boiler, assuming continuous operation (8,760 hours per year). The 55 tpy NO<sub>x</sub> and SO<sub>x</sub> limits for all facility boilers in permit 072003-022A does not include this boiler.

Table 2: Emissions Summary (tons per year)

Pollutant	Regulatory <i>De Minimis</i> Levels	Existing Potential Emissions	Existing Actual Emissions (2012 EIQ)	Potential Emissions of the Application	New Installation Conditioned Potential
PM	25.0	N/D	N/D	1.63	N/A
PM <sub>10</sub>	15.0	1207.62	3.21	1.88	N/A
PM <sub>2.5</sub>	10.0	N/D	0.31	1.26	N/A
SO <sub>x</sub>	40.0	122.78	4.68	0.18	N/A
NO <sub>x</sub>	40.0	242.87	45.43	16.31	N/A
VOC	40.0	508.51	8.03	0.60	N/A
CO	100.0	2,322.18	15.27	9.11	N/A
GHG (CO <sub>2</sub> e)	75,000 / 100,000	N/D	N/D	18,246.86	N/A
GHG (mass)	0.0 / 100.0 / 250.0	N/D	N/D	18,180.51	N/A
HAPs	10.0 / 25.0	6.75	0.01	0.20	N/A

N/A = Not Applicable; N/D = Not Determined

### PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of all pollutants are below respective de minimis levels. Potential emissions of NO<sub>x</sub> are above the 10 CSR 10-6.061(3)(A)3.A. insignificant emission exemption level of 2.75 lb/hr, thus requiring a construction permit.

### APPLICABLE REQUIREMENTS

US Army Garrison and Fort Leonard Wood shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved. For a complete list of applicable requirements for your installation, please consult your operating permit.

### GENERAL REQUIREMENTS

- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110
- *Operating Permits*, 10 CSR 10-6.065
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-6.165

## SPECIFIC REQUIREMENTS

- *New Source Performance Regulations*, 10 CSR 10-6.070
  - *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*, 40 CFR Part 60, Subpart Dc
- *Restriction of Emission of Sulfur Compounds*, 10 CSR 10-6.260 does not apply to the boiler as it is subject to a NSPS Subpart Dc sulfur emission limit.
- *Restriction of Particulate Matter Emissions From Fuel Burning Equipment Used for Indirect Heating*, 10 CSR 10-6.405 applies to the boiler. The boiler will combust natural gas and fuel oil with less than 1.2% sulfur, therefore it is deemed in compliance.

## STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, I recommend this permit be granted with special conditions.

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David Little  
New Source Review Unit

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Date

## PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated February 12, 2013, received February 15, 2013, designating Department of the Army Installation Management Command - Central Region as the owner and operator of the installation.
- U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition.

## APPENDIX A

### Abbreviations and Acronyms

<b>%</b> .....	percent	<b>m/s</b> .....	meters per second
<b>°F</b> .....	degrees Fahrenheit	<b>Mgal</b> .....	1,000 gallons
<b>acfm</b> .....	actual cubic feet per minute	<b>MW</b> .....	megawatt
<b>BACT</b> .....	Best Available Control Technology	<b>MHDR</b> .....	maximum hourly design rate
<b>BMPs</b> .....	Best Management Practices	<b>MMBtu</b> ....	Million British thermal units
<b>Btu</b> .....	British thermal unit	<b>MMCF</b> .....	million cubic feet
<b>CAM</b> .....	Compliance Assurance Monitoring	<b>MSDS</b> .....	Material Safety Data Sheet
<b>CAS</b> .....	Chemical Abstracts Service	<b>NAAQS</b> ...	National Ambient Air Quality Standards
<b>CEMS</b> .....	Continuous Emission Monitor System	<b>NESHAPs</b>	..... National Emissions Standards for Hazardous Air Pollutants
<b>CFR</b> .....	Code of Federal Regulations	<b>NO<sub>x</sub></b> .....	nitrogen oxides
<b>CO</b> .....	carbon monoxide	<b>NSPS</b> .....	New Source Performance Standards
<b>CO<sub>2</sub></b> .....	carbon dioxide	<b>NSR</b> .....	New Source Review
<b>CO<sub>2e</sub></b> .....	carbon dioxide equivalent	<b>PM</b> .....	particulate matter
<b>COMS</b> .....	Continuous Opacity Monitoring System	<b>PM<sub>2.5</sub></b> .....	particulate matter less than 2.5 microns in aerodynamic diameter
<b>CSR</b> .....	Code of State Regulations	<b>PM<sub>10</sub></b> .....	particulate matter less than 10 microns in aerodynamic diameter
<b>dscf</b> .....	dry standard cubic feet	<b>ppm</b> .....	parts per million
<b>EQ</b> .....	Emission Inventory Questionnaire	<b>PSD</b> .....	Prevention of Significant Deterioration
<b>EP</b> .....	Emission Point	<b>PTE</b> .....	potential to emit
<b>EPA</b> .....	Environmental Protection Agency	<b>RACT</b> .....	Reasonable Available Control Technology
<b>EU</b> .....	Emission Unit	<b>RAL</b> .....	Risk Assessment Level
<b>fps</b> .....	feet per second	<b>SCC</b> .....	Source Classification Code
<b>ft</b> .....	feet	<b>scfm</b> .....	standard cubic feet per minute
<b>GACT</b> .....	Generally Available Control Technology	<b>SIC</b> .....	Standard Industrial Classification
<b>GHG</b> .....	Greenhouse Gas	<b>SIP</b> .....	State Implementation Plan
<b>gpm</b> .....	gallons per minute	<b>SMAL</b> .....	Screening Model Action Levels
<b>gr</b> .....	grains	<b>SO<sub>x</sub></b> .....	sulfur oxides
<b>GWP</b> .....	Global Warming Potential	<b>SO<sub>2</sub></b> .....	sulfur dioxide
<b>HAP</b> .....	Hazardous Air Pollutant	<b>tph</b> .....	tons per hour
<b>hr</b> .....	hour	<b>tpy</b> .....	tons per year
<b>hp</b> .....	horsepower	<b>VMT</b> .....	vehicle miles traveled
<b>lb</b> .....	pound	<b>VOC</b> .....	Volatile Organic Compound
<b>lbs/hr</b> .....	pounds per hour		
<b>MACT</b> .....	Maximum Achievable Control Technology		
<b>µg/m<sup>3</sup></b> .....	micrograms per cubic meter		

Mr. Dee Lloyd  
Chief, Environmental Branch  
US Army Garrison and Fort Leonard Wood  
1334 1st Street, BLDG 2222, ATTN: IMLD-PWE  
Fort Leonard Wood, MO 65473

RE: New Source Review Permit - Project Number: 2013-02-035

Dear Mr. Lloyd:

Enclosed with this letter is your permit to construct. Please study it carefully and refer to Appendix A for a list of common abbreviations and acronyms used in the permit. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions, your new source review permit application and with your amended operating permit is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

If you have any questions regarding this permit, please do not hesitate to contact David Little, at the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Susan Heckenkamp  
New Source Review Unit Chief

SH:dlk

Enclosures

c: Southeast Regional Office  
PAMS File: 2013-02-035

Permit Number: