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: 07 2015 - 017  Project Number: 2014-12-028
Installation Number: 093-0009

Parent Company: The Doe Run Company
Parent Company Address: 1801 Park 270 Drive, St. Louis, MO 63146
Installation Name: Buick Resource Recycling Facility, LLC
Installation Address: 18954 Highway KK, Boss, MO 65440
Location Information: Iron County, S14, T34N, R2W

Application for Authority to Construct was made for: Air Curtain Destructor (ACD). 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.

JUL 28 2015

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 start up 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 start up 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.
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.”_

Buick Resource Recycling Facility, LLC
Iron County, S14, T34N, R2W

1. **Burning Surveillance**
   Buick Resource Recycling Facility, LLC shall have a representative/employee present at the facility during all burning to ensure compliance with this permit.

2. **Burn Material**
   Buick Resource Recycling Facility, LLC shall burn only untreated wood waste generated at the site and other company divisions.

3. **ACD Location**
   The distance from the burn site (ACD) to the non-Doe Run nearest occupied structure (residence or business) must be greater than 200 yards unless the owner or operator of the non-Doe Run occupied structure provides written waivers of this requirement. Any waiver shall accompany this permit.

4. **Burn Time**
   Burning will be allowed continuously 24 hours per day unless complaints are received. If complaints are received and the investigation by the Department of Natural Resource personnel authenticates the complaint is associated with the operation of the ACD then operation of this Air Curtain Destructor will only be allowed to operate between 7:00 a.m. and 5:00 pm.

5. **Buick Resource Recycling Facility, LLC** shall immediately correct any problems that would arise from the burning, such as a public health hazard, nuisance, or a hazard to vehicular or air traffic.

6. **Visible Emissions Test**
   A. Buick Resource Recycling Facility, LLC shall meet opacity limitations as stated in §60.2250.
   
   B. Buick Resource Recycling Facility, LLC shall submit a current visible emissions test which complies with 40 CFR part 60, Appendix A-Test
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

Methods, Method-9-Visual Determination of the Opacity of emissions from Stationary Sources.

7. Burn Restrictions
   A. Under no circumstances will the ACD operator use tires or other rubber products, plastics, heavy oils, asphalt base or impregnated materials to start or maintain the ACD operation.

   B. Burning shall not be conducted during unfavorable meteorological conditions or days when the U.S. Forest Service has issued a high risk of fire according to the local U.S. Forest Service or when an open burning ban has been officially declared by either appropriate state or local officials.

   Buick Resource Recycling Facility, LLC shall control fugitive emissions from all of the haul roads and vehicular activity associated with the operation of the ACD at this site by applying one of the BMPs as defined in Attachment AA.

   A. Buick Resource Recycling Facility, LLC shall burn exclusively ultra low sulfur diesel in the ACD 66 hp diesel engine (EP-106) with a sulfur content less than or equal to 15 parts per million by weight (15 ppm).

   B. Buick Resource Recycling Facility, LLC shall demonstrate compliance with Special Condition 10.A by obtaining records of the fuel’s sulfur content from the vendor for each shipment of fuel received or by testing each shipment of fuel for the sulfur content in accordance with the method described in 10 CSR 10-6.040 Reference Methods. Alternately, a current fuel supplier contract specifying VLSD (<15 ppm S) to be delivered to the facility will also be acceptable documentation.

   C. Buick Resource Recycling Facility, LLC shall keep the records required by Special Condition 9.B with the units and make them available for Department of Natural Resources’ employees upon request.

10. Record Keeping and Reporting Requirements
    A. Buick Resource Recycling Facility, LLC shall maintain all records required by this permit for not less than five years and shall make them available
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

immediately to any Missouri Department of Natural Resources' personnel upon request.

B. Buick Resource Recycling Facility, LLC shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than 10 days after the end of the month during which any record required by this permit show an exceedance of a limitation imposed by this permit.
REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (5) REVIEW
Project Number: 2014-12-028
Installation ID Number: 093-0009
Permit Number:

Buick Resource Recycling Facility, LLC Complete Date
18954 Highway KK of Application: December 30, 2015
Boss, MO 65440

Parent Company: Parent Company:
The Doe Run Company The Doe Run Company
1801 Park 270 Drive 1801 Park 270 Drive
St. Louis, MO 63146 St. Louis, MO 63146

Iron County, S14, T34N, R2W

REVIEW SUMMARY

• Buick Resource Recycling Facility, LLC has applied for authority to construct an Air Curtain Destructor (ACD).

• HAP emissions are expected from the proposed equipment. HAPs emissions are expected from the proposed equipment. The HAPs emitted from the process include those from combustion of diesel fuel and wood fuel.

• None of the NESHAPs apply to this project.

• NSPS standard, 40 CFR part 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, does not apply to the engine on the ACD because it was manufactured November 24, 2007 (prior to April 1, 2016). 40 CFR part 60 Subpart CCCC, Standards of Performance for Commercial and Industrial Solid Waste Incineration Units does not apply to the ACD because it was manufactured in 2006 (prior to June 4, 2010). 40 CFR part 60 Subpart E does not apply because the charging rate of 30 tons per day is less than 45 metric tons per day (50 tons/day) threshold as stated by this subpart.

• The Air Curtain Destructor is considered an air pollution control equipment but it is also considered an incinerator, therefore a permit is required.

• 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 de minimis levels.

• This installation is located in Iron County, an attainment area for all criteria pollutants.

• This installation is on the List of Named Installations found in 10 CSR 10-
6.020(3)(B), Table 2 Item #19 – *Secondary metal production plants*. The installation’s major source level is 100 tons per year and fugitive emissions are counted toward major source applicability.

- Ambient air quality modeling was not performed since potential emissions of the application are below de minimis levels.

- Emissions testing is not required for the equipment.

- An amended Part 70 Operating Permit application is required for this installation within 1 year of equipment startup.

- Approval of this permit is recommended with special conditions.

**INSTALLATION DESCRIPTION**

The Buick Resource Recycling Facility, LLC is a secondary lead recycling plant owned and operated by The Doe Run Resources Corporation d/b/a The Doe Run Company. The installation has never received a Part 70 operating permit and operates under their initial Part 70 operating permit application, Project 093-0009-027.

Approximately, 75 percent or more of the lead recycled at Buick Resource Recycling Facility, LLC comes from automotive and industrial batteries.

Batteries arrive at the installation by truck. They are unloaded and placed onto a conveyor belt or into a battery storage area. Approximately one-third of all batteries that are received still have an electrical charge on them, so the batteries are placed into a stainless steel shredder.

The whole battery is broken in the shredder, and the battery acid (weak sulfuric acid) is drained and collected in storage tanks. The shredded batteries are then placed in a vibrating feeder that feeds a conveyor belt into the hammer mill. The hammer mill pounds the battery into smaller pieces.

Each lead acid battery contains a set of metal grids, lead posts, plastic components, separators, and lead sulfate paste. The lead sulfate paste is removed by washing through sets of screens for further processing. After going through the hammer mill, the battery pieces enter a hydro separator where water separates the heavier elements. All of the lead and metal components sink to the bottom and the floating items are skimmed off and sent to the recycling facilities.

The metallic portions of the batteries including grids, posts, and other metallic constituents are fed to either the reverberatory furnace or the blast furnace. Lead from the furnaces is sent to the refinery building.

In the refinery building softening, alloying, and oxidation of the lead occurs to achieve the desired degree of purity or alloy type. After the lead has been refined to meet customer specifications it is cast.
The following permits have been issued to Buick Resource Recycling Facility, LLC by the Air Pollution Control Program:

**Table 1: Permit History**

<table>
<thead>
<tr>
<th>Permit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0179-018</td>
<td>Minor source permit</td>
</tr>
<tr>
<td>0989-003</td>
<td>Major source permit</td>
</tr>
<tr>
<td>0792-016</td>
<td>Minor source permit</td>
</tr>
<tr>
<td>0493-006</td>
<td>Minor source permit</td>
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<tr>
<td>1093-010</td>
<td>Minor source permit</td>
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<tr>
<td>0693-013</td>
<td>Minor source permit</td>
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<tr>
<td>1093-003</td>
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</tr>
<tr>
<td>0989-003</td>
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<tr>
<td>0989-003A</td>
<td>Amendment</td>
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<tr>
<td>1095-009</td>
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<tr>
<td>1296-012</td>
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<td>0297-015</td>
<td>Minor source permit</td>
</tr>
<tr>
<td>0997-006</td>
<td>Minor source permit</td>
</tr>
<tr>
<td>102000-007</td>
<td>Minor source permit</td>
</tr>
<tr>
<td>012005-008</td>
<td>PSD – increase production</td>
</tr>
<tr>
<td>092006-007</td>
<td>Minor NSR – new multi-hearth rotary furnace</td>
</tr>
<tr>
<td>012005-008A</td>
<td>PSD amendment</td>
</tr>
<tr>
<td>012010-006</td>
<td>Minor NSR – 34.87 MMBtu/hr propane boiler</td>
</tr>
<tr>
<td>012005-008B</td>
<td>No permit required</td>
</tr>
<tr>
<td>062011-004</td>
<td>Minor NSR – install afterburner on reverberatory furnace</td>
</tr>
<tr>
<td>102011-005</td>
<td>Minor NSR – install 22.5 tph wood processing pallet grinder</td>
</tr>
<tr>
<td>012005-008C</td>
<td>PSD amendment</td>
</tr>
<tr>
<td>092014-006</td>
<td>Minor Source Permit-refining kettles</td>
</tr>
</tbody>
</table>

Note: The installation did receive permits prior to PSD Permit 012005-008; however, all provisions of those permits have since been superseded.

Buick Resource Recycling Facility, LLC has been issued several NOVs over the past five years; however, none are applicable to the equipment being permitted. The ACD has received three open burning permits from Southeast Regional Office. Open Burning Permits from the regional office are no longer needed when operating an ACD permitted by the Air Pollution Control Program.

**PROJECT DESCRIPTION**

Buick Resource Recycling Facility, LLC proposes to operate a 30 tons/day air curtain destructor for incinerating waste wood pallets (untreated). Used batteries are shipped on wooden pallets. The batteries are not broken and no battery acid has leaked nor contaminated the pallets. Broken batteries are shipped in a sealed container separately. The ACD forms a high velocity airflow that is directed over/into the fire pit creating a circular current of air. The continued airflow keeps the fire temperature high for more complete combustion. The curtain of air created in the process traps unburned fine particles under the curtain in the high temperature zone. The increased combustion time and turbulence result in a reburn and more complete combustion of the biomass.
The airflow is supplied by a 66 hp diesel engine (EP-106), built in November 24, 2007. It is not subject to 40 CFR 60 Subpart IIII, "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines" which applies to the diesel engines on the equipment list that were manufactured after 04/01/2006 or modified/reconstructed after 7/11/2005.

High ember production could be a problem in cases when the surrounding environment is extremely dry due to lack of rain and/or high wind conditions. Therefore, burn restrictions are implemented during these events as stated in Special Condition 7.B.

The ACD was purchased as an “used” unit several years ago. The ACD engine was manufactured in 2007 and the ACD unit was used by the Doe Run Company as early as 2008. Therefore it did not commence construction after June 4, 2010 and is not subject to Standards of Performance for Commercial and Industrial Solid Waste Incineration Units (CISWI), 40 CFR Part 60, Subpart CCCC. The ACD unit is subject to Emission Guidelines for Commercial and Industrial Solid Waste Incinerator Units, 40 CFR 60, Subpart DDDD and subsequently 10 CSR 10-6.161 Commercial and Industrial Solid Waste Incinerators requiring Buick Resource Recycling Facility, LLC to meet the provisions found in §§60.2805, 60.2860 and 60.2870.

EMISSIONS/CONTROLS EVALUATION

The emission factors for PM$_{2.5}$, CO and VOC used in this analysis were obtained from the USDA Forest Service, “Reducing PM$_{2.5}$ Emissions Through Technology”, 2003. PM and PM$_{10}$ used in this analysis were obtained from the EPA document AP-42, Table 1.5-5 (uncontrolled), Cumulative Particle Size Distribution and Size Specific Emission Factors for Wood/Bark-Fired Boilers, September, 2003.

Emissions from the 66 HP diesel engine were calculated using the emission factors from AP-42 Section 3.3 “Gasoline and Diesel Industrial Engines,” October 1996 and 40 CFR 89 for Tier rated sources.

Emissions from haul roads and vehicular activity areas were calculated using the predictive equation from AP-42 Section 13.2.2 “Unpaved Roads,” November 2006, and AP-42 Section 13.2.1 “Paved Roads,” January 2011.

The following table provides an emissions summary for this project. Existing potential emissions were not available for the installation; however, the installation is known to be an existing major source based upon existing actual emissions. Existing actual emissions were taken from the installation’s 2013 EIQ. Potential emissions of the application represent the potential of the new equipment, assuming continuous operation (8,760 hours per year).
### Table 2: Emissions Summary (tons per year)

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>25.0</td>
<td>N/D</td>
<td>N/A</td>
<td>9.4</td>
<td>N/A</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>15.0</td>
<td>N/D</td>
<td>41.72</td>
<td>7.84</td>
<td>N/A</td>
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<tr>
<td>PM$_{2.5}$</td>
<td>10.0</td>
<td>N/D</td>
<td>37.26</td>
<td>6.29</td>
<td>N/A</td>
</tr>
<tr>
<td>SO$_x$</td>
<td>40.0</td>
<td>Major</td>
<td>2,962.06</td>
<td>1.14</td>
<td>N/A</td>
</tr>
<tr>
<td>NO$_x$</td>
<td>40.0</td>
<td>Major</td>
<td>210.39</td>
<td>25.46</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>N/D</td>
<td>9.98</td>
<td>6.73</td>
<td>N/A</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>Major</td>
<td>17,982.13</td>
<td>16.60</td>
<td>N/A</td>
</tr>
<tr>
<td>GHG (CO$_{2e}$)</td>
<td>75,000</td>
<td>Major</td>
<td>N/A</td>
<td>20,635.57</td>
<td>N/A</td>
</tr>
<tr>
<td>HAPs</td>
<td>25.0</td>
<td>N/D</td>
<td>12.36</td>
<td>3.14</td>
<td>N/A</td>
</tr>
<tr>
<td>Lead</td>
<td>0.60</td>
<td>N/D</td>
<td>13.70</td>
<td>0.078</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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 de minimis levels.

**APPLICABLE REQUIREMENTS**

Buick Resource Recycling Facility, LLC 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
- *Open Burning Requirements*, 10 CSR 10-6.045
• Commercial and Industrial Solid Waste Incinerators, 10 CSR 10-6.161 does not apply because it is exempt according to 10 CSR 10-6.161 (1)(C)1.

SPECIFIC REQUIREMENTS

• New Source Performance Regulations, 10 CSR 10-6.070
  
  o 40 CFR Part 60, Subpart DDDD, Emission Guidelines for Commercial and Industrial Solid Waste Incineration Units, subsequently 10 CSR 10-6.161 Commercial and Industrial Solid Waste Incinerators. According to 10 CSR 10-6.161(1)(C)1., this ACD is exempt from this rule because it is a unit listed in 40 CFR 60.255. Buick Resource Recycling Facility, LLC’s ACD is exempt from the requirements of this subpart except for the provisions in §§60.2805, 60.2860 and 60.2870.


• Restriction of Emission of Sulfur Compounds, 10 CSR 10-6.260

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.

Kathy Kolb
New Source Review Unit

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

• The Application for Authority to Construct form, dated December 12, 2014, received December 16, 2014, designating The Doe Run Company as the owner and operator of the installation.
ATTACHMENT AA Best Management Practices

Haul roads and vehicular activity areas shall be maintained in accordance with at least one of the following options when the plant is operating.

1.  Pavement
   A.  The operator shall pave the area with materials such as asphalt, concrete or other materials approved by the Air Pollution Control Program. The pavement will be applied in accordance with industry standards to achieve control of fugitive emissions while the plant is operating.
   B.  Maintenance and repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
   C.  The operator shall periodically wash or otherwise clean all of the paved portions of the haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2.  Application of Chemical Dust Suppressants
   A.  The operator shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to unpaved areas.
   B.  The quantities of the chemical dust suppressant shall be applied and maintained in accordance with the manufacturer’s recommendation (if available) and in sufficient quantities to achieve control of fugitive emissions from these areas while the plant is operating.
   C.  The operator shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator shall keep these records with the plant for not less than five (5) years and make these records available to Department of Natural Resources’ personnel upon request.

3.  Application of Water-Documented Daily
   A.  The operator shall apply water to unpaved areas. Water shall be applied at a rate of 100 gallons per day per 1,000 square feet of unpaved or untreated surface area while the plant is operating.
   B.  Precipitation may be substituted for watering if the precipitation is greater than one quarter of one inch and is sufficient to control fugitive emissions.
   C.  Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads.
   D.  The operator shall record the date, volume of water application and total surface area of active haul roads or the amount of precipitation that day. The operators shall also record the rational for not watering (e.g. freezing conditions or not operating).
   E.  The operator shall keep these records with the plant for not less than five (5) years, and the operator shall make these records available to Department of Natural Resources’ personnel upon request.
APPENDIX A
Abbreviations and Acronyms

% .......... percent
°F .......... degrees Fahrenheit
acfm ...... actual cubic feet per minute
BACT ..... Best Available Control Technology
BMPs ..... Best Management Practices
Btu........ British thermal unit
CAM ...... Compliance Assurance Monitoring
CAS......... Chemical Abstracts Service
CEMS ...... Continuous Emission Monitor System
CFR......... Code of Federal Regulations
CO.......... carbon monoxide
CO₂........ carbon dioxide
CO₂e....... carbon dioxide equivalent
COMS..... Continuous Opacity Monitoring System
CSR......... Code of State Regulations
dscf........ dry standard cubic feet
EIQ......... Emission Inventory Questionnaire
EP......... Emission Point
EPA........ Environmental Protection Agency
EU......... Emission Unit
fps......... feet per second
ft.......... feet
GACT...... Generally Available Control Technology
GHG....... Greenhouse Gas
gpm....... gallons per minute
gr.......... grains
GWP....... Global Warming Potential
HAP....... Hazardous Air Pollutant
hr......... hour
hp......... horsepower
lb.......... pound
lbs/hr...... pounds per hour
MACT..... Maximum Achievable Control Technology
µg/m³...... micrograms per cubic meter
m/s........ meters per second
Mgal....... 1,000 gallons
MW......... megawatt
MHDR...... maximum hourly design rate
MMBtu...... Million British thermal units
MMCF...... million cubic feet
MSDS...... Material Safety Data Sheet
NAAQS.... National Ambient Air Quality Standards
NESHAPs National Emissions Standards for Hazardous Air Pollutants
NOₓ........ nitrogen oxides
NSPS...... New Source Performance Standards
NSR....... New Source Review
PM......... particulate matter
PM₁₀....... particulate matter less than 10 microns in aerodynamic diameter
PM₂·₅..... particulate matter less than 2.5 microns in aerodynamic diameter
ppm........ parts per million
PSD........ Prevention of Significant Deterioration
PTE........ potential to emit
RACT...... Reasonable Available Control Technology
RAL....... Risk Assessment Level
SCC........ Source Classification Code
scfm....... standard cubic feet per minute
SDS........ Safety Data Sheet
SIC......... Standard Industrial Classification
SIP........ State Implementation Plan
SMAL..... Screening Model Action Levels
SOₓ........ sulfur oxides
SO₂........ sulfur dioxide
tph......... tons per hour
tpy......... tons per year
VMT------- vehicle miles traveled
VOC....... Volatile Organic Compound
Mr. James M. Lanzafame  
Senior Environmental Technical Engineer  
Buick Resource Recycling Facility, LLC  
18954 Highway KK  
Boss, MO 65440  

RE: New Source Review Permit - Project Number: 2014-12-028  

Dear Mr. Lanzafame:  

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 were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission within thirty 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 administrative hearing commission, whose contact information is: Administrative Hearing Commission, Truman State Office, P.O. Box 1557, Jefferson City, Missouri 65102, website: www.oa.mo.gov/ahc.  

If you have questions regarding this permit, contact Kathy Kolb, Department of Natural Resources’ Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or (573) 751-4817.  

Sincerely,  

AIR POLLUTION CONTROL PROGRAM  

Susan Heckenkamp  
New Source Review Unit Chief  
SH:kkl  

Enclosures  

PAMS File: 2014-12-028  
Permit Number: