

# PERMIT BOOK

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: **102009-010** Project Number: 2009-09-059

Parent Company: Johnson Controls Battery Group, Inc.

Parent Company Address: P.O. Box 591 Milwaukee, WI 53201

Installation Name: Johnson Controls Battery Group, Inc.

Installation Address: 4722 Pear Street, St. Joseph, MO 64502

Location Information: Buchanan County, S25, T57N, R35W

Application for Authority to Construct was made for: An alternative COS unit.  
This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

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

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

OCT 28 2009

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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 departments' Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). 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 this (these) air contaminant source(s).

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 source(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.

Page No.	3
Permit No.	
Project No.	2009-09-059

## 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."*

Johnson Controls Battery Group, Inc.  
Buchanan County, S25, T57N, R35W

1. Operational Requirement
  - A. Johnson Controls Battery Group, Inc. shall not simultaneously operate the new COS unit (COS 12B) with the existing COS unit (COS 12A).
  - B. COS 12B shall be routed to the existing COS 12A ventilation, baghouse, and exhaust Stack No. 426. The baghouse shall be operated and maintained in accordance with the manufacturer's specifications, and operated whenever COS 12A or COS 12B is operating. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the DNR employees may easily observe them.
  - C. Replacement filters for the baghouse shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).
  - D. Johnson Controls Battery Group, Inc. shall monitor and record the operating pressure drop across the baghouses at least once every 24 hours. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty.
  - E. Johnson Controls Battery Group, Inc. shall maintain an operating and maintenance log for the baghouse which shall include the following:
    - 1.) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
    - 2.) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
2. Record Keeping Requirement

Johnson Controls Battery Group, Inc. shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately

Page No.	4
Permit No.	
Project No.	2009-09-059

**SPECIAL CONDITIONS:**

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

to any Missouri Department of Natural Resources' personnel upon request.  
These records shall include Material Safety Data Sheets (MSDS) for all materials used.

Mr. Frank Tubbs  
Johnson Controls Battery Group, Inc.  
4722 Pear Street  
St. Joseph, MO 64502

RE: New Source Review Permit - Project Number: 2009-09-059  
Installation ID: 021-0009

Dear Mr. Tubbs:

Enclosed with this letter is your permit to construct. Please study it carefully. Also, note the special conditions, if any, 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 operating permit, if applicable, 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.

The alternative COS unit (COS 12B) is identical to the existing COS unit (COS 12A). Emissions from COS 12B will be exhausted and controlled identically to emissions from COS 12A. COS 12A and COS 12B will not operate simultaneously. There is no increase in the potential to emit from Project 2007-06-056 (0.504 and 0.169 pounds per hour of PM<sub>10</sub> and lead, respectively), which is less than the exemption level in 10 CSR 10-6.061, Construction Permit Exemptions (3)(A)3.A.

You are still obligated to meet all applicable air pollution control rules, Department of Natural Resources' rules, or any other applicable federal, state, or local agency regulations. Specifically, you should avoid violating 10 CSR 10-6.045 Open Burning Requirements, 10 CSR 10-2.070, Restriction of Emission of Odors, 10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin, and 10 CSR 10-6.400 Restriction of Emission of Particulate Matter From Industrial Processes.

Please be aware that New Source Performance Standards (NSPS) may apply to this new piece of equipment. Any testing, monitoring or record keeping required by NSPS must be followed in order for this facility to remain in compliance. If a NSPS applies, a Basic Operating Permit will also be required.

Mr. Frank Tubbs  
Page Two

A copy of this letter should be kept with the unit and be made available to Department of Natural Resources' personnel upon verbal request. If you have any questions regarding this determination, please contact David Little at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or by telephone at (573) 751-4817. Thank you for your time and attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Kyra L. Moore  
Permits Section Chief

KLM:dpll

c:Kansas City Regional Office  
PAMS File: 2009-09-059

Permit Number: