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OCT 20 2004

STATE OF ILLINOIS  
Pollution Control Board

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

ROCK ROAD COMPANIES, INC., )

Petitioner, )

v. )

ILLINOIS ENVIRONMENTAL )  
PROTECTION AGENCY, )

Respondent. )

PCB No. 2005-54  
(Permit Appeal- Air)

NOTICE

To: Dorothy Gunn, Clerk  
Illinois Pollution Control Board  
100 West Randolph  
Suite 11-500  
Chicago, Illinois 60601

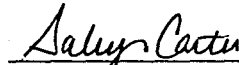
Brad Halloran, Hearing Officer  
Illinois Pollution Control Board  
100 West Randolph  
Suite 11-500  
Chicago, Illinois 60601

Harvey M. Sheldon  
Hinshaw & Culbertson  
222 North LaSalle Street  
Chicago, IL 60601

Please take notice that I have today filed with the Office of the Clerk of the Pollution Control Board an original (1) and nine (9) copies of a Motion to Dismiss, a copy of which is herewith served upon the attorney for the Petitioner, Rock Road Companies, Inc.

Respectfully submitted,

ILLINOIS ENVIRONMENTAL  
PROTECTION AGENCY,



Sally Carter  
Assistant Counsel  
Special Assistant Attorney General  
Division of Legal Counsel

Date: October 18, 2004  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, IL 62794-9276  
217/782-5544

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STATE OF ILLINOIS  
Pollution Control Board

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

<b>ROCK ROAD COMPANIES, INC.</b>	)
	)
<b>Petitioner,</b>	)
	)
<b>vs.</b>	)
	)
<b>ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,</b>	)
	)
<b>Respondent.</b>	)

**NO. 05-54**  
**PERMIT APPEAL**

**MOTION TO DISMISS**

NOW COMES the Respondent, Illinois Environmental Protection Agency, ("Illinois EPA" or "Agency"), by one of its attorneys, Sally Carter, Assistant Counsel and Special Assistant Attorney General, and, pursuant to Sections 101.506 and 105.108 of the Illinois Pollution Control Board's ("Board") procedural rules, 35 Ill. Adm. Code 101.506 and 105.108, hereby respectfully moves to dismiss Rock Road Companies, Inc: ("Rock Road") Petition for Review of Permit Conditions, received by the Illinois EPA on September 20, 2004. In support of this Motion, the Illinois EPA states as follows:

**INTRODUCTION**

Rock Road's Petition for Review of Permit Conditions ("Petition") seeks to review a number of conditions delineated in a revised permit that were finalized in an earlier permit. The only dissimilarity between the initial permit and the revised permit is a single revision made at the Petitioner's behest concerning the time period allowed for waste oil-firing stack testing. Notably, Rock Road does not request that the Board review this condition.

The initiation of the Petitioner's lawsuit cannot recast these simple facts. The Illinois EPA reviewed and revised its final permitting decision, Construction Permit Grant - Operating Permit Denial - NSPS, dated issued June 22, 2004, ("Original Permit" or "June 22<sup>nd</sup> Permit"), in response to a narrowly-defined request for revision by Rock Road. In an age when complaints about non-responsive administrative agencies are far

too common, Rock Road has filed a novel lawsuit. Rock Road's Petition disregarded the existence of the Original Permit and the Illinois EPA's complete review and response to Rock Road's request to revise the time period allowed for stack testing from seven consecutive days to seven days, total. Instead, Rock Road asserted that the Illinois EPA's final decision is embraced within the subsequently-issued document, Construction Permit Grant - Operating Permit Denial - NSP Source - Revised, date issued August 5, 2004 ("Revised Permit" or "August 5<sup>th</sup> Permit"); that the Petition is filed within thirty-five calendar days of the Illinois EPA's issuance of the Revised Permit; that grounds exist to appeal a variety of permit conditions; and that the Agency failed to accede to Rock Road's request to reopen the permit's record. The allegations are merit-less because the Board lacks jurisdiction to hear Rock Road's claims.

Based on the facts advanced in Rock Road's Petition including attached exhibits and the accompanying affidavit of Illinois EPA, permitting analyst, James Kallmeyer, it is clear that Condition 5c was the only term finalized in the Revised Permit. All other conditions were finalized in the Original Permit. While the Illinois EPA is required by regulation to issue public notice of a pending permit transaction involving major new sources and major modifications, Rock Road's request to burn reclaimed oil did not constitute a major modification. The Illinois EPA, having received no request(s) for a public notice and comment period prior to the Agency's issuance of the Original Permit, issued the permit on June 22, 2004. Rock Road did not submit a hearing request during the thirty-five day appeal period, or any time thereafter. Instead, Rock Road submitted a closely-drafted request for revision of Condition 5c concerning the time period allowed for stack testing from one calendar week to a total of seven nonconsecutive calendar days. The Illinois EPA received the revision request on June 29, 2004. On August 5, 2004, the Illinois EPA acted on the request and issued the Revised Permit that included a revised Condition 5c limiting stack testing to a total of seven days that need not

necessarily be consecutive. After the Illinois EPA revised the permit, Rock Road filed the instant Petition on September 16, 2004, that did not seek an appeal of Condition 5c but sought an appeal of Conditions 4, 7b, 9a, 10, 13 and 14. Under these facts, it is clear that the Petition does not seek an appropriate review of revised Condition 5c, but inappropriately seeks to review those conditions first designated in the Agency's June 22<sup>nd</sup> Permit.

### **BOARD HAS NO JURISDICTION OVER THIS APPEAL**

#### **A. Rock Road Cannot Open the Illinois EPA's June 22, 2004, Original Permit Decision Through the Instant Permit Appeal.**

In *Reichhold Chemicals*, the Third District Appellate Court found that an administrative agency lacks inherent authority to amend or change its decisions and may only reconsider its decisions where authorized by statute. *Reichhold Chemicals v. Illinois Pollution Control Board*, 204 Ill. App. 3d 674, 677, 561 N.E. 2d 1343, 1345, 149 Ill. Dec. 647, 649. The Third District continued by stating that while the Board has authority to modify its decisions, "no such authority to modify or reconsider its decisions has been granted by statute to the Agency, and no such procedures have been provided by rule." *Id.* In this instance, Section 39(a) of the Act and 35 Ill. Adm. Code 201.167(a), provide the Illinois EPA authority to revise a permit upon reapplication by the permittee. See, *Home Oil Company v. Illinois Environmental Protection Agency*, PCB 4-172 (May 6, 2004), citing, *Reichhold Chemicals, Inc. v. PCB*, 204 Ill. App. 3d 674, 561 N.E.2d 1333, 1346 (3<sup>rd</sup> Dist.), appeal denied, 136 Ill. 2d 554, 567 N.E. 2d 341 (1991). In accordance with this statutory authority, the Illinois EPA revised Condition 5c based upon the permittee's July 29, 2004, narrowly-defined revision request. The Illinois EPA made no other revisions to the August 5<sup>th</sup> Permit.

While the Illinois EPA's June 22<sup>nd</sup> Permit embodied the Agency's final decision, the Revised Permit simply reflected the scope of Rock Road's request for revision.

Simply stated, the scope of the Agency's permit revision to Condition 5c was defined by the scope of Petitioner's request for revision, a call to modify the time period allowed for stack testing. See, attached affidavit of James Kallmeyer detailing the requested revision. See *also*, the June 22, 2004, and the August 5, 2004, permitting decisions, and the June 29, 2004, request for revision attached as exhibits. All attached documents are incorporated by reference herein. In fact, the Revised Permit identifies this revision on page 8, stating that "this permit has been revised to change Condition 5c to limit waste oil-firing to a total of seven days, which need not necessarily be consecutive, at the request of the applicant." Rock Road now seeks to open a number of the conditions finalized in the Illinois EPA's Original Permit through an appeal of the Revised Permit. Rock Road's efforts to access the initial permit based on the subsequently revised permit cannot evade the clear fact that the Agency's final decision was on June 22, 2004. Accordingly, the instant appeal is not proper and should be dismissed.

In the same manner, the Board lacks jurisdiction to review those conditions in the Revised Permit that were finalized in the Original Permit, including Conditions 4, 7b, 9a, 10, 13 and 14. Any review of these conditions would advocate an outcome that is tantamount to a reconsideration of the original permitting decision. *Reichhold Chemicals, Inc. v. PCB*, 204 Ill. App. 3d 674, 677-678, 561 N.E.2d 1333, 1345-1346 (3<sup>rd</sup> Dist.), appeal denied, 136 Ill. 2d 554, 567 N.E. 2d 341 (1991). Condition 5c is the clear exception due to the Petitioner's revision request. However, no such review of Condition 5c has been identified in the instant proceeding.

To illustrate this point, the Board should consider a slight variation on the instant scenario. Assuming again, that the Petitioner requested a revision to the time period allowed for stack testing from seven consecutive days to seven days, total, but that the Illinois EPA now takes advantage of the request to revise a number of different conditions. Consistent with *Reichhold*, the Board would find that any such action by the

Illinois EPA would be beyond its authority. The outcome should inevitably be the same where the Petitioner seeks to take advantage of a revision request to access different conditions finalized in the Original Permit.

Affording Rock Road review of Conditions 4, 7b, 9a, 10, 13 and 14 would provide a disincentive to those applicants that invest time and effort in assuring the timely appeal of contested permit conditions. If the appeal period could be extended by a narrowly drafted revision request, the applicant could effectively evade the thirty-five day appeal period for any permit condition. Future applicants could tactfully employ these "revision requests" to attain an extension of time to file an appeal rather than examining the permit closely within the prescribed time to ensure the permit was properly issued. As such, any denial of the Agency's Motion would empower future applicants to circumvent the Board's procedural rules. This is an outcome that the Board simply cannot countenance.

The Board has found that it does not possess jurisdiction when similar policy concerns were articulated in Leaking Underground Storage Tank ("LUST") appeals. For instance, the Board held that if the appeal period could be extended by the applicant's mere resubmittal of the same application to the Illinois EPA, the applicant could effectively circumvent the statutory time period. In *Kean Oil v. IEPA* (May 1, 1997), PCB 97-146, the petitioner submitted a reimbursement application to the LUST Fund. The application was denied and Kean Oil failed to file an appeal during the thirty-five day period following the Agency's decision. Kean Oil later resubmitted the application, and again, the Illinois EPA denied it. Kean Oil subsequently filed an appeal before the Board. The Agency argued that "the Illinois EPA may not alter or reconsider its final determination regarding applications for payment from the UST-Fund nor may it re-confer jurisdiction upon the Board or the Appellate Courts where no petition for review of an appealable final determination was filed by simply issuing a subsequent

determination with the same findings.” *Id.*, slip op. at 6 (quoting the Illinois EPA’s Motion to Dismiss at p. 10). The Board agreed and found that to “allow Kean Oil to resubmit an application that the Agency had made a final determination would allow applicants who do not appeal within the statutory appeal period to circumvent the established statutory time period for appeal.” *Id.*, slip op. at 7.

In another LUST appeal, *Mick’s Garage v. Illinois Environmental Protection Agency*, PCB 03-126, (December 18, 2003), the petitioner sought review of the Illinois EPA’s January 2003, decision stating that a \$50,000 deductible applied to a reported UST-release. The parties agreed that this was a second reporting of an initial June 1991, release that the Illinois EPA previously determined a \$50,000 deductible applied. At that time, the petitioner did not appeal the decision. Ten years later and based upon the Illinois EPA’s original decision, the Illinois EPA issued a second final decision indicating that the applicable deductible remained \$50,000. The Board found that it did not possess jurisdiction to review the Illinois EPA’s initial deductibility determination. While the Board found that it had jurisdiction to review the Illinois EPA’s January 2003, decision, the Board discerned that the petitioner was, in fact, seeking review of the Illinois EPA’s initial deductibility determination. The Board held that it lacked jurisdiction to conduct such a review the Illinois EPA’s initial determination.

Nor does Section 201.168 of the Board’s Air Pollution Regulations, 35 Ill. Adm. Code 201.168, provide the Petitioner with the authority to file an untimely appeal of the June 22<sup>nd</sup> Permit. Section 201.168 provides the applicant the right to appeal any Agency-imposed permit condition to the Board pursuant to Section 40 of the Act. Section 40(a)(1) requires that an appeal of the final permitting decision be made within thirty-five days after its service date. As discussed above and with the exception of Condition 5c, the Petition was filed well in excess of thirty-five days after the Petitioner’s receipt of the June 22<sup>nd</sup> Permit.

**B. The Instant Permit Appeal is Untimely as Rock Road Cannot Open the Illinois EPA's June 22, 2004, Original Permit Decision**

The Board must dismiss the pending Petition on the basis that it possesses no jurisdiction to hear the appeal. As set forth above, the lack of jurisdiction is based upon the inability of the Petitioner to access the June 22<sup>nd</sup> Permit at this late date; accordingly, the Petitioner failed to file a sufficient and adequate Petition for review within the time allowed by Section 40(a)(1) of the Act and 35 Ill. Adm. Code 105.206(a). *See also*, 35 Ill. Adm. Code 105.108(b).

A review of the Board's procedural rules regarding the timely filing of petitions makes clear that the present appeal should be dismissed for lack of jurisdiction. Section 101.300(b) of the Board's procedural rules, 35 Ill. Adm. Code 101.300(b), provides that documents will be considered filed when they are filed in conformance with the requirements found in Section 101.302 of the procedural rules, 35 Ill. Adm. Code 101.302, and any other filing requirements specifically set out in other parts of the procedural rules. Section 40(a)(1) and 35 Ill. Adm. Code 105.206(a) state that any appeal of the Illinois EPA's final permitting decision must be made within thirty-five days after the date of service of the Agency's final decision.

The Petitioner failed to commence this action within the appropriate time frame as dictated by the Act and procedural rules. Consequently, Rock Road has forfeited any right it had to seek a review of the permit conditions previously finalized by the Agency. The Original Permit became final on June 22, 2004, and was mailed to the Petitioner on that date or the next business day. If the Petitioner wished to contest the permit as prescribed by Section 40(a)(1) and 35 Ill. Adm. Code 105.206, an appeal should have been made within thirty-five days of receipt or on or about August 2, 2004, (This calculation assumes that service of the Original Permit to the Petitioner was on June 28, 2004. *See*, Supreme Court Rule 12 (Service by mail is deemed complete four days after



mailing for purposes of circuit court pleadings.)) However, no such appeal was timely filed. Instead, the Petitioner filed the September 16<sup>th</sup> Petition of the Illinois EPA's August 5<sup>th</sup> Permit. This Petition did not comply with the Board's procedural rules, in that it specifically sought to appeal permit conditions finalized months earlier on June 22, 2004. On top of this, the Petition failed to address Condition 5c, the sole revision requested and made to the Revised Permit. The Board cannot accept the Petition as being in conformance with its procedural rules, since it violated 35 Ill. Adm. Code 105.206(a). The Board must dismiss the appeal because the September 16<sup>th</sup> date is well beyond the deadline for filing an appeal here, and for that reason, the Board lacks jurisdiction to hear this appeal. If the Board allows the appeal to proceed, it has granted itself relief from the requirements and prohibitions set forth in Section 40(a)(1) and 35 Ill. Adm. Code 105.208 of the Board's rules; such deviation from statutory and regulatory standards is simply not permissible.

The Agency's position is entirely consistent with Board precedent. As the Board has noted on many occasions, an appeal that is not timely filed cannot be heard since the Board lacks jurisdiction to do so. *Solid Waste Agency of Northern Cook County v. City of Des Plaines*, PCB 03-210 (June 5, 2003); *Dewey's Service, Inc. v. Illinois EPA*, PCB 99-107 (February 4, 1999) (Finding appeal untimely when mailed only one day after the running of the thirty-five day appeal period). Consistent therewith, the Board has held that it operates only under special statutory jurisdiction and thus, it is limited by the language conferring that jurisdiction in the Act. *Cathy Bevis, et. al. v. Wayne County Board*, (May 18, 1995), PCB 95-128. In *Bevis*, the Fifth District Appellate Court upheld the Board's decision, finding that the Act did not provide the Board discretion to waive or otherwise modify the requirement that an applicant must be named as a respondent to an appeal from the county board's local sitting approval decision. The Fifth District further clarified, stating, "the petitioner must comply with the agency-review statutory

requirements in order for the PCB to have authority to hear the case.” *Cathy Bevis, et. al. v. Illinois Pollution Control Board*, 289 Ill. App. 3d 432, 681 N.E. 2d 1096, 224 Ill. Dec. 475.

In the same token, the Act and the procedural rules do not provide the Board with discretion to modify the requirement that a Petition must be filed within thirty-five days after the date of service. 35 Ill. Adm. Code 105.208 provides the sole mechanism to extend the thirty-five day filing requirement; the applicant and the Agency must file a joint request for an extension of time within thirty-five days of the date of service. No such joint request has been filed. Nor will a request be forthcoming at this late date. The parties are required to request an extension within the initial thirty-five day appeal period. *Home Oil Company v. Illinois Environmental Protection Agency*, PCB 4-172 (May 6, 2004). Consequently, the Board does not possess jurisdiction to consider the instant Petition.

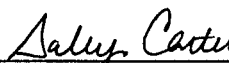
## CONCLUSION

The Illinois EPA respectfully requests that the Board dismiss the present appeal. The failure of the Petitioner to timely petition the Board for review of the June 22<sup>nd</sup> Permit renders the September 16th filing a nullity. The only exception to this concerns any review of revised Condition 5c, however, no such review has been sought by the Petitioner. Under these circumstances, there is no basis for the instant appeal to stand; the requirement of a timely filed appeal is jurisdictional and mandatory. Accordingly, the Illinois EPA respectfully requests that the instant petition be dismissed due to the Board's lack of jurisdiction.

Respectfully submitted,

ILLINOIS ENVIRONMENTAL  
PROTECTION AGENCY,

Respondent



---

Sally Carter  
Assistant Counsel  
Special Assistant Attorney General  
Division of Legal Counsel  
1021 North Grand Avenue, East  
P.O. Box 19276  
Springfield, Illinois 62794-9276  
217/782-5544  
Dated: October 18, 2004

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

ROCK ROAD COMPANIES, INC.	)	
	)	
Petitioner,	)	
	)	
vs.	)	NO. 05-54
	)	PERMIT APPEAL
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,	)	
	)	
Respondent.	)	

AFFIDAVIT OF JAMES KALLMEYER

Upon penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters therein stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that I verily believe the same to be true.

1. I, JAMES KALLMEYER, am employed by the Illinois Environmental Protection Agency ("Illinois EPA"), as a permit analyst in the Permit Section for the Bureau of Air. I have been employed by the Illinois EPA since 1998.

2. As part of my duties in the Bureau of Air, I am responsible for responding to requests for permit application assistance and reviewing permit applications submitted by the regulated community for the construction, installation, or operation of any type of facility or equipment. I also respond to written and verbal inquiries concerning permit applications. If notice and an opportunity for a public hearing are required by State or federal law or regulation, I review any and all public comments prior to making a permitting decision. Upon proof by the applicant that the facility or equipment will not cause a violation of the Illinois Environmental Protection Act ("Act") or the associated regulations, I draft the appropriate permit, including any necessary conditions to accomplish the purposes of the Act, for issuance to the applicant. In the event that the permit is denied, I draft the necessary denial letter, detailing the reasons that the permit

application was denied. As needed, I provide comments and recommendations on various proposed Bureau of Air documents and actions. In addition, I perform evaluation of construction fee submittals and perform other general duties, all in support of basic permit writing responsibilities.

3. I hold a Bachelors of Science in Electrical Engineering degree from the University of Missouri at Rolla. In addition, I have taken a variety of courses at Lincolnland Community College including, but not limited to, Electronic Circuit Theory, Numerical Analysis, and C Language Programming. My qualifications also include the following: I have personally been involved in reviewing over 800 permit applications of various types. Prior to becoming a permit analyst for the Bureau of Air, I served as a Environmental Protection Engineer I in the Compliance Section for approximately six months. Before employment with the Illinois EPA, I held engineering positions in electronic design and manufacturing in the industrial sector.

4. I am familiar with the Rock Road Companies, Inc. ("Rock Road") Petition for Review of Permit Conditions ("Petition"), the circumstances surrounding the Illinois EPA's review of Rock Road's permit application, the permits issued and the permit revision request. In support of the Illinois EPA's Motion to Dismiss, I provide the following statements based upon my experience and expertise.

5. On March 24, 2004, the Illinois EPA received a permit application to construct emission source(s) and/or air pollution control equipment consisting of a modification to an existing drum-mix asphalt plant with baghouse to allow the use of distillate fuel oil No. 2 and waste oil in the drum mixer/ drum dryer. While the Illinois EPA previously received odor and particulate matter complaints concerning the facility, the Illinois EPA did not receive any request(s) for a public notice and comment period prior to the Agency's issuance of the permit.

6. On June 22, 2004, the Illinois EPA issued the Construction Permit Grant - Operating Permit Denial - NSPS Source ("Original Permit") for the Alternate Firing of Petitioner's Asphalt Plant. Condition 5c of the Original Permit stated as follows:

Waste oil-firing of the drum mixer/ drum dryer is allowed under this construction permit only for a period not to exceed *one calendar week*, for the purposes of preparing for and conducting compliance stack testing. If additional time is required, the Illinois EPA, Compliance Section and Field Operations Section must first be contacted to obtain approval. Records shall be kept of the calendar dates and number of hours each day the plant is fired with waste oil until testing is completed. If evidence arises of odor problems, operation with waste oil-firing must be stopped immediately.

(Emphasis added). In the normal course of business, the Illinois EPA, Bureau of Air, mails permits via United States mail to the applicant on the date of issuance or the following business day. The Original Permit is attached as Exhibit A and incorporated by reference herein.

7. On July 21, 2004, I received a phone call from Steve Kennedy, Vice President of Rock Road, concerning waste oil-fired, stack testing for its Rockford asphalt plant. During the conversation, Mr. Kennedy requested that the facility be allowed to revise the time period for stack testing employing waste oil-firing from one calendar week to a total of seven nonconsecutive calendar days due to weather concerns. No other permit conditions were discussed during the July 21, 2004, conversation. In an electronic message of the same date to Ms. Julie Armitage, Acting Manager, Compliance and Systems Management System, I detailed the substance of this conversation. The July 21, 2004, email is attached as Exhibit B and incorporated by reference herein.

8. In correspondence dated, July 23, 2004, Mr. Kennedy made the same revision request detailed in paragraph 7 above to Ms. Armitage. The Illinois EPA received the July 23, 2004, revision request on July 29, 2004. No other permit

conditions were discussed in the correspondence dated, July 23, 2004. This document is attached as Exhibit C and incorporated by reference herein.

9. In response to the revision request received on July 29, 2004, the Illinois EPA revised the Original Permit; the revision is reflected in Condition 5c of the Construction Permit Grant - Operating Permit Denial - NSPS Source - Revised, ("Revised Permit"), issued on August 5, 2004. Condition 5c of the Revised Permit stated as follows:

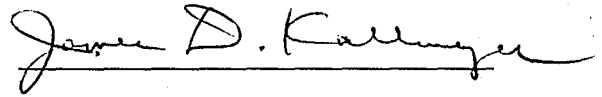
Waste oil-firing of the drum mixer/ drum dryer is allowed under this construction permit only for a period not to exceed *a total of seven days*, for the purposes of preparing for and conducting compliance stack testing. *These are not required to be seven consecutive calendar days*. If additional time is required, the Illinois EPA, Compliance Section and Field Operations Section must first be contacted to obtain approval. Records shall be kept of the calendar dates and number of hours each day the plant is fired with waste oil until testing is completed. If evidence arises of odor problems, operation with waste oil-firing must be stopped immediately.

(Emphasis added). In addition, the revision is further detailed on page 8 of the Revised Permit, stating that, "[i]t should be noted that this permit has been revised to change Condition 5c to limit waste oil-firing to a total of seven days, which need not necessarily be consecutive, at the request of the applicant." The Revised Permit is attached as Exhibit D and incorporated by reference herein.

10. In addition, I have reviewed the Illinois EPA files and determined that Rock Road never submitted a request to revise Conditions 4, 7b, 9a, 10, 13, and 14 of the Original Permit through the end of August 2004.

11. I attest that the documents submitted with this affidavit are true and correct copies of the Original Permit, date issued, June 22, 2004, the July 21, 2004, electronic message to Julie Armitage detailing a phone conversation between myself and Steve Kennedy, the revision request received by the Illinois EPA on July 29, 2004, and the Revised Permit, date issued, August 5, 2004.

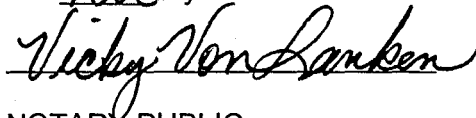
FURTHER AFFIANT SAYETH NOT



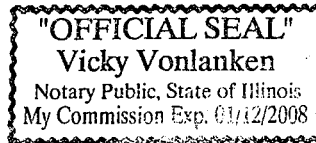
JAMES KALLMEYER

Subscribed and sworn to before me

this 18th day of October 2004.



NOTARY PUBLIC







# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

P.O. Box 19506, Springfield, Illinois 62794-9506

RENEE CIPRIANO, DIRECTOR

217/782-2113

CERTIFIED MAIL  
7002 3150 0000 1226 6526

CONSTRUCTION PERMIT GRANT - OPERATING PERMIT DENIAL - NSPS SOURCE

PERMITTEE

Rock Road Companies, Inc.  
Attn: Mr. Steve Kennedy, Vice President  
Post Office Box 1779  
301 West Townline Road  
Janesville, Wisconsin 53547

Application No.: 04030060

I.D. No.: 201808ABG

Applicant's Designation: BEALECOURT

Date Received: March 24, 2004

Subject: Asphalt Plant Alternate Firing

Date Issued: June 22, 2004

Location: 801 Beale Court, Rockford, Illinois, 61109

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of the modification of the existing drum-mix asphalt plant with baghouse to allow the use of distillate fuel oil No. 2 and waste oil in the drum mixer/drum dryer, as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This asphalt plant is subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and I. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. The emissions from the asphalt plant shall not contain particulate matter (PM) in excess of 0.04 gr/dscf and shall not exhibit 20% opacity or greater, pursuant to the NSPS, 40 CFR 60.92.
- c. At all times the Permittee shall also maintain and operate the asphalt plant, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions, pursuant to the NSPS, 40 CFR 60.11(d).
- 2a. No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to the requirements of 35 Ill. Adm. Code 212.122, pursuant to 35 Ill. Adm. Code 212.123(a), except as allowed by 35 Ill. Adm. Code 212.123(b) and 212.124.
- b. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the source except when the wind speed is in excess of 25 miles per hour, pursuant to 35 Ill. Adm. Code 212.301 and 212.314.

ROD R. BLAGOJEVICH, GOVERNOR

PRINTED ON RECYCLED PAPER



3. No person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission unit to exceed 2000 ppm, pursuant to 35 Ill. Adm. Code 214.301.
4. Use of Organic Material. Pursuant to 35 Ill. Adm. Code 215.301, no person shall cause or allow the discharge of more than 8.0 lbs/hour of organic material into the atmosphere from any emission unit, except if no odor nuisance exists this limitation shall only apply to photochemically reactive material as defined in 35 Ill. Adm. Code 211.4690.
- 5a. Operation of the drum mixer/drum dryer associated with the asphalt plant firing distillate fuel oil No. 2 or waste-oil shall not begin until all associated air pollution control equipment has been constructed and is operational.
- b. The Permittee shall furnish the Illinois EPA written notification as follows pursuant to 40 CFR 60.7(a):
  - i. A notification of anticipated date of initial start-up at least 5 days prior to such date,
  - ii. A notification of actual date of initial start-up within 15 days after such date.
- c. Waste oil-firing of the drum mixer/drum dryer is allowed under this construction permit only for a period not to exceed one calendar week, for the purposes of preparing for and conducting compliance stack testing. If additional time is required, the Illinois EPA, Compliance Section and Field Operations Section must first be contacted to obtain approval. Records shall be kept of the calendar dates and number of hours each day the plant is fired with waste oil until testing is completed. If evidence arises of odor problems, operation with waste oil-firing must be stopped immediately.
- 6a. The baghouse shall be in operation at all times when the associated drum mixer/drum dryer is in operation and emitting air contaminants.
- b. The Permittee shall follow good operating practices for the baghouse, including periodic inspection, routine maintenance and prompt repair of defects.
- 7a. At the above location, the Permittee shall not keep, store, or utilize in the affected drum-mix asphalt plant:
  - i. Distillate fuel oil (Grade No. 1 and 2) with a sulfur content greater than the larger of the following two values:
    - A. 0.28 weight percent, or

B. The Wt percent given by the formula: Maximum Wt percent sulfur = (0.000015) x (Gross heating value of oil, Btu/lb).

- b. This permit is issued based on the combustion waste oil for the drum mixer/drum dryer. This use of waste oil is not allowed to fire the asphalt tank heaters, boilers, or any unit that meets the definition of a fuel combustion emission unit pursuant to 35 Ill. Adm. Code 211.2470.
- c. The Illinois EPA shall be allowed to sample all fuels stored at the above location.
- 8. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the nuisance.
- 9a. Emissions and operation of the asphalt plant shall not exceed the following limits:

i. Asphalt Production Limits:

Asphalt Concrete Production	
<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
50,000	300,000

ii. Emissions from Drum Mixer/Dryer:

<u>Pollutant</u>	<u>Emission Factor</u> (Lb/Ton)	<u>Emissions</u>	
		<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
Particulate Matter (PM)	0.033	0.83	5.0
Nitrogen Oxides (NO <sub>x</sub> )	0.055	1.38	8.3
Carbon Monoxide (CO)	0.130	3.25	19.5
Volatile Organic Material (VOM)	0.032	0.80	4.8
Sulfur Dioxide (SO <sub>2</sub> )	0.058	<u>1.45</u>	<u>8.7</u>
	Totals	7.71	46.3

iii. Emissions from Asphalt Silo Loading and Truck Loadout:

<u>Pollutant</u>	<u>Emission Factor</u> (lb/Ton)	<u>Emissions</u>	
		<u>(lb/Mo)</u>	<u>(Ton/Yr)</u>
CO	0.0007	35	0.11
PM	0.0007	35	0.11
VOM	0.0048	240	0.72

- iv. These limits are based on maximum asphalt production and standard AP-42 emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.
- b. Emissions of hazardous air pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any

single HAP or 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering Section 112(g) of the Clean Air Act.

- c. No person shall cause or threaten or allow the discharge or emission of any contaminant into the environment in any State so as to cause or tend to cause air pollution in Illinois, either alone or in combination with contaminants from other sources, or so as to violate regulations or standards adopted by the Illinois Pollution Control Board, pursuant to Section 9(a) of the Illinois Environmental Protection Act.
- 10a. Pursuant to 40 CFR 60.8(a), within 60 days after achieving the maximum production rate at which the asphalt plant will be operated, but not later than 90 days after initial startup, the particulate matter concentration in its effluent stream shall be measured by an approved independent testing service, using waste-oil firing and during conditions which are representative of the maximum performance. During these tests, observations to determine opacity of the effluent stream shall also be conducted.
- b. This testing shall be conducted and data collected in accordance with the test methods and procedures specified in 40 CFR 60.8, 60.11 and 60.93.
  - c. At least 60 days prior to the actual date of testing, the Permittee shall submit a written test plan to the Illinois EPA for review and approval. This plan shall include as a minimum:
    - i. The name (or other identification) of the emission unit(s) to be tested and the name and address of the facility at which they are located;
    - ii. The name and address of the independent testing service(s) performing the tests, with the names of the individuals who may be performing sampling and analysis and their experience with similar tests;
    - iii. The specific determinations of emissions and/or performance which are intended to be made, including the site(s) in the ductwork or stack at which sampling will occur;
    - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and minimum control performance, the values of operating parameters for the emission unit, including associated control equipment, at or within which compliance is intended to be shown, and the means by which the operating parameters will be determined;
  - d. i. The Permittee shall provide the Illinois EPA with written notification of testing at least thirty (30) days prior to

testing to enable the Illinois EPA to have an observer present. This notification shall include the name of emission unit(s) to be tested, scheduled date and time, and contact person with telephone number.

- ii. If testing is delayed, the Permittee shall promptly notify the Illinois EPA by facsimile, at least 5 days prior to the scheduled date of testing or immediately, if the delay occurs in the 5 days prior to the scheduled date. This notification shall also include the new date and time for testing, if set, or a separate notification shall be sent with this information when it is set.
- e. The Permittee shall submit the Test Report for this testing, accompanied by a cover letter stating whether or not compliance was shown, to the Illinois EPA without delay, within 30 days after the results are compiled, but no later than sixty (60) days after the date of testing or sampling. The Test Report shall include as a minimum:
  - i. General information describing the test, including the name and identification of the emission source which was tested, date of test, names of personnel performing the tests, and Illinois EPA observers, if any;
  - ii. A summary of results;
  - iii. Description of test procedures, including description of sampling points, test equipment, and test schedule;
  - iv. Detailed description of test conditions, including:
    - A. Process information, i.e., process rate, aggregate type, fuel type, and firing rate.
    - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
  - v. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
- 11a. The Permittee shall perform all applicable monitoring for the drum-mix asphalt plant as specified in 40 CFR 60.13 and 60.674.
- b. Inspections of the drum-mix asphalt plant and control systems equipment and operations shall be performed as necessary but at least once per week when the affected drum-mix asphalt plant is in operation to confirm compliance with the requirements of this permit.
- 12a. The Permittee shall maintain records of the following items for the drum-mix asphalt plant to demonstrate compliance with the conditions of this permit:

- i. Asphalt concrete production (tons/month and tons/year);
  - ii. Waste oil shipments, usage, sulfur content, and ash content (gallons/month, gallons/year, % weight, % weight); and
  - iii. Dates of operation and hours of operation with waste oil-firing (calendar days, hours/day).
  - iv. Records addressing use of good operating practices for the baghouse:
    - A. Operating logs for the drum-mix asphalt plant dryer baghouse, including operating data (pressure drop or stack condition), daily upon startup;
    - B. Records for periodic inspection of the baghouse with date, individual performing the inspection, and nature of inspection; and
    - C. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired, and nature of repair.
  - v. Incidents of malfunction, with date, duration, description, probable cause, and corrective actions, pursuant to 40 CFR 60.7(b), and
  - vi. Monthly and aggregate annual CO, NO<sub>x</sub>, PM, SO<sub>2</sub>, and VOM emissions from the drum-mix asphalt plant shall be maintained, based on asphalt production and the applicable emission factors, with supporting calculations.
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
- 13a. The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the drum-mix asphalt plant with the permit requirements as follows. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken:
- i. Emissions of CO, NO<sub>x</sub>, PM, SO<sub>2</sub> and/or VOM, in excess of the limit specified in Condition 9 within 30 days of a record showing such an occurrence.

- ii. Continued operation of the drum-mix asphalt plant with a defect in a baghouse that may result in emissions of particulate matter in excess of limits in Conditions 1(b), 2, or 4(a) within 30 days of such an occurrence.
  - iii. The use of distillate fuel oil with a sulfur content in excess of the limit specified in Condition 7(a) with the length of time this fuel was used and the effect on emissions of SO<sub>2</sub> within 30 days of this violation being detected.
- b. The Permittee shall submit all applicable reports for the drum-mix asphalt plant as specified in 40 CFR 60.7 and 60.19.
  - c. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
5415 North University  
Peoria, Illinois 61614

- 14. A construction permit covers construction activity taking place on or after the date of issuance of the permit. Even though the issuance of this permit indicates that the Illinois EPA has found that the application for the subject equipment met 35 Ill. Adm. Code 201.155, the standards for issuance of a construction permit, this permit does not cover and in no way condones or approves any construction of the subject emission sources or air pollution control equipment which took place before the date of issuance of this permit.

The OPERATING permit application is DENIED because the Illinois Environmental Protection Act, Section 9, and 35 Ill. Adm. Code 201.160 might be violated.

Pursuant to Section 201.160, an operating permit may not be issued until the equipment has been constructed or modified in accordance with applicable conditions in this construction permit. The Illinois EPA suggests that you reapply for the operating permit after construction and testing are completed in accordance with the construction permit.

It should be noted that this permit does not authorize the acceptance of waste. The appropriate permit must be obtained from the Bureau of Land before waste

can be accepted. If the used oil is not "on-spec" and not burned in a unit for energy recovery as allowed by 35 Ill. Adm. Code 739.161, the used oil will be considered a solid waste and not a fuel. This makes the used oil subject to the manifest requirements of 35 Ill. Adm. Code 809 and the facility subject to the permitting requirements of 35 Ill. Adm. Code 807, as a solid waste management site. Furthermore, the used oil must provide surplus energy beyond that necessary to sustain combustion to be considered a fuel and not a waste.

If you have any questions on this permit, please call Jim Kallmeyer at 217/782-2113.

*DES*

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

*JDK RUB 6/23/00*  
DES:JDK:psj

cc: Illinois EPA, FOS Region 2

**COPY**  
Original Signed by  
Donald E. Sutton, P.E.



CALCULATION SHEET

Facility: Rock Road Companies, Inc.	ID 201808ABG
Anal. Eng. JDK Date 6-18-04	PN 04030060
Rev. Eng. Date	Date Rec. 3-24-04

This is an application for a JOINT from an asphalt plant facility located an attainment area for all pollutants, which holds a FESOP (72110724) for two asphalt plants (one n.-gas, one fuel oil-fired). VN A-2003-00330 was issued 12-12-03.

The request is to add alternate FO#2 and waste oil-firing to the plant currently permitted for natural gas-firing only.

Actual emissions, using AP-42 waste oil-firing, emission factors:

PM = 0.033 #/T x 300,000 T/yr x T/2000 # = 5.0 T/yr  
 NOX = 0.055 x 150 = 8.3 T/yr  
 CO = 0.13 x 150 = 19.5 T/yr  
 VOM = 0.032 x 150 = 4.8 T/yr  
 SO2 = 0.058 x 150 = 8.7 T/yr  
 Total = 46.3 T/yr

Fuel oil #2/waste oil tanks are exempt per 35 IAC 201.146 (n).

I recommend a CONSTRUCTION GRANT-OPERATE DENY permit be issued, with the requirement to stack test using waste oil before incorporating into the existing FESOP. Permit condition will restrict waste oil use to one week maximum to allow for testing only.

NOTES:

1. Facility was discovered by FOS (Tom Walsh) to be operating with waste oil without proper permitting. VN resulted requiring immediate stop to waste oil-firing. Site is next to a medical packaging facility which complained of emissions. Numerous citizen complaints re odors (see I.D. file for details).
2. CROPA form and copy of application was sent 6-8-04 to Joyce Munie, BOL/LPC. Copy of application was sent to Mr. K. Gadi, at his request.
3. The FESOP (which was opened originally with this application) will be revised to remove the fuel oil-fired plant, which applicant claims has not existed at this site for years. Further, FESOP will be revised to add omitted crushing equipment (1 screen and 6 conveyors) and two natural gas-fired tank heaters.

**COMPLETENESS REVIEW WORKSHEET  
FOR CONSTRUCTION PERMIT FEES**

FACILITY: <u>ROCK ROAD COS, INC</u> ID NO.: <u>201808ABG</u> APPLICATION NO.: <u>04030060</u> DATE REC'D: <u>03/24/04</u> ANALYST: <u>JDK</u>	IDENTIFICATION OF REVIEW NUMBER (CIRCLE) <u>1</u> 2 3 4 5 6 7 8 <input checked="" type="checkbox"/> INITIAL COMPLETENESS REVIEW <input type="checkbox"/> SUPPLEMENTAL SUBMITTAL (DATE): ___/___/___ <input type="checkbox"/> OTHER TRIGGER (DESCRIBE): _____
--	--

TYPE OF SOURCE		
<input type="checkbox"/> MAJOR	<input checked="" type="checkbox"/> SYNTHETIC MINOR HAVE FESOP? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> NON-MAJOR

COMPLETENESS REVIEW FOR TECHNICAL INFORMATION	
<input type="checkbox"/> INCOMPLETE (DESCRIBE): _____  ACTION TO BE TAKEN <input type="checkbox"/> CALL <input type="checkbox"/> REQUEST ADDITIONAL INFORMATION <input type="checkbox"/> REJECT <input type="checkbox"/> DENY  ACTION COMPLETED: ___/___/___    "DAY": ____	<input checked="" type="checkbox"/> APPLICATION COMPLETE

COMPLETENESS REVIEW FOR FEES																
<input type="checkbox"/> INADEQUATE  <input type="checkbox"/> UNCERTAIN	<input checked="" type="checkbox"/> CORRECT <input type="checkbox"/> OVERPAID (DESCRIBE): _____ _____															
ACTION TO BE TAKEN <input type="checkbox"/> CONTINUE WITH TECHNICAL REVIEW <input type="checkbox"/> REQUEST TECHNICAL INFO (SEE ABOVE) <input type="checkbox"/> REQUEST TECHNICAL INFO & UPDATED FEE INFO (SEE ABOVE) <input type="checkbox"/> BILL & CONTINUE WITH TECHNICAL REVIEW <input type="checkbox"/> BILL & NO TECHNICAL REVIEW (EXPLAIN): _____ _____	BILL AMOUNT <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"></th> <th style="width: 15%; text-align: center;">REASON</th> <th style="width: 15%; text-align: center;">AMOUNT</th> </tr> </thead> <tbody> <tr> <td>1. _____</td> <td></td> <td style="text-align: right;">\$ _____</td> </tr> <tr> <td>2. _____</td> <td></td> <td style="text-align: right;">\$ _____</td> </tr> <tr> <td>3. _____</td> <td></td> <td style="text-align: right;">\$ _____</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL:</td> <td style="text-align: right;">\$ _____</td> </tr> </tbody> </table> BILL DATE: ___/___/___    "DAY": ____		REASON	AMOUNT	1. _____		\$ _____	2. _____		\$ _____	3. _____		\$ _____	TOTAL:		\$ _____
	REASON	AMOUNT														
1. _____		\$ _____														
2. _____		\$ _____														
3. _____		\$ _____														
TOTAL:		\$ _____														

INITIALS			
ANALYST: <u>JDK</u>	DATE: <u>06/03/04</u>	COMMENTS: <u>#2K-MODIFY 1 EMS RC OK</u>	
REVIEW: <u>RPS</u>	DATE: <u>06/03/04</u>	COMMENTS: <u>Agree JDK</u>	

NOTES: SECTION 4, LINE 12 - MODIFYING ASPHALT <sup>PLANT TO ENABL</sup> ~~TO ALLOW~~ FIRING WITH MULTIPLE FUELS (N.GAS/FO#2/WASTE OIL)

CIRCLE THE START DATE  
SQUARE THE STOP DATE

INITIAL START DATE \_\_\_\_\_  
 DAYS ALLOWED 90/180 \_\_\_\_\_

DATE FINAL ACTION MUST BE TAKEN BY: \_\_\_\_\_  
 (to be completed after payment received)

1	2	3	4	5	6	7	8	9	10	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
11	12	13	14	15	16	17	18	19	20	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
21	22	23	24	25	26	27	28	29	30	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
31	32	33	34	35	36	37	38	39	40	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
41	42	43	44	45	46	47	48	49	50	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
51	52	53	54	55	56	57	58	59	60	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
61	62	63	64	65	66	67	68	69	70	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
71	72	73	74	75	76	77	78	79	80	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
81	82	83	84	85	86	87	88	89	90	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
91	92	93	94	95	96	97	98	99	100	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
101	102	103	104	105	106	107	108	109	110	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
111	112	113	114	115	116	117	118	119	120	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
121	122	123	124	125	126	127	128	129	130	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
131	132	133	134	135	136	137	138	139	140	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
141	142	143	144	145	146	147	148	149	150	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
151	152	153	154	155	156	157	158	159	160	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
161	162	163	164	165	166	167	168	169	170	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____
171	172	173	174	175	176	177	178	179	180	START _____ STOP _____	DOWN PERIOD _____ DAYS REMAINING _____


**JACOBUS ENERGY, INC.**

www.jacobusenergy.com  
 3715 Lexington Avenue  
 Madison, WI 53714  
 608-241-3883  
 800-822-9608

**Product Specifications Data Sheet  
 Jacobus Petroleum Products**

Jacobus Petroleum Products is supplying the following analysis to you as a used oil fuel burner subject to EPA regulations 40 CFR Part 268, and other individual state requirements.

Batch No: M16203

Product: J3 Special

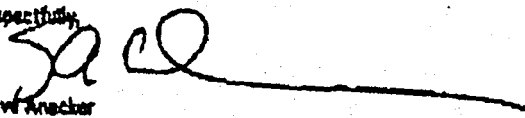
Test Date: 06/16/2003

Compliance/EPA Property	Specification Unit OR	Analysis	Test Method
Arsenic	5 PPM maximum	<0.1	60102
Cadmium	2 PPM maximum	0.3	60106
Chromium	10 PPM	1.7	60106
Lead	100 PPM maximum	18.6	60108
Pack Point	100 degrees F. minimum	> 210	03828
Total Halogens	4000 PPM maximum	833	EPA 805M8058
Sulfur % by WL	N/A	0.22	0126
API Gravity	N/A	28.7	01295
Ash % by WL	N/A	0.85	0462
BTU/Gallon	N/A	133,800	0240
PCBS	TSCA regulated	n/d	EPA 8004-81-846
Viscosity	What temp does oil have to achieve 80 SSU	at 60 to 102F (30C)	

Used oil containing more than 1,000 PPM of total Halogens is presumed hazardous, unless rebuttal analysis is performed to prove there are no hazardous constituents per EPA regulations 40 CFR 268.40 (C), and Subpart D.

We certify that the information contained herein is true and correct to the best of our knowledge based on independent laboratory testing. If we can be of further assistance, please call us at 1-800-362-3835.

Respectfully,

  
 Steve Anacker  
 Vice President



*Down*

**JACOBUS ENERGY, INC.**

www.jacobusenergy.com  
3715 Lexington Avenue  
Madison, WI 53714  
608-241-3883  
800-822-9608

**Product Specifications Data Sheet  
Jacobus Petroleum Products**

Jacobus Petroleum Products is supplying the following analysis to you as a used oil fuel burner subject to EPA regulations 40 CFR Part 266, and other individual state requirements.

Batch No: M16403

Product: #3 Special

Test Date: 10/08/2003

Constituent/EPA Property	Specification Used Oil	Analysis	Test Method
Arsenic	5 PPM maximum	< 0.5	80108
Cadmium	2 PPM maximum	0.22	80108
Chromium	15 PPM	< 0.3	80108
Lead	100 PPM maximum	16.0	80108
Flash Point	140 degrees F. minimum	> 200	03828
Total Halogens	4000 PPM maximum	435ppm	EPA 5050/8058
Sulfur % by Wt.	N/A	0.35	0129
API Gravity	N/A	21.2	01266
Ash % by Wt.	N/A	0.71	0482
BTU/Gallon	N/A	137,622	0240
PCBS	TSCA regulated	< 1.0	EPA 800/4-31-045
Viscosity	SSU @ 100 F.	388	

Used oil containing more than 1,000 PPM of total Halogens is presumed hazardous, unless rebuttal analysis is performed to prove there are no hazardous constituents per EPA regulations 40 CFR 266.40 (C), and Subpart D.

We certify that the information contained herein is true and correct to the best of our knowledge based on independent laboratory testing. If we can be of further assistance, please call us at 1-800-382-3835.

Respectfully,

Steve Anacker  
Vice President

Quickflash Heating & Cooling Services - Quick Fuel Fleet Services - Jacobus Environmental Services

TOTAL P. 03

TOTAL P. 07



# Facsimile

To: Jim Kallmeyer

Firm: IEPA

Facsimile: (217) 524-5023

From: Eric Melvin

Date: 5/28/04

Page 1 of : 7

JDK

Subject: Updated information for Rock Road asphalt plants Site ID: 007005ABX and Site ID: 201808ABG

Message:

Jim,

See the attached pages for Rock Road's responses to your questions regarding the permit applications for the two sites referenced in the Subject line.

Please call me at (847) 545-7564 if you have further questions

Eric Melvin  
URS Corporation

RECEIVED

MAY 28 2004

IEPA-DAPC-01110

URS Corporation  
 One Continental Towers  
 1701 Golf Road, Suite 1000  
 Rolling Meadows, Illinois 60008  
 Tel: 847-228-0707  
 Fax: 847-228-1115  
 www.urscorp.com

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**Rockford Plant Information**

1. Two tank heaters.
  - a. Fuel: liquid propane
  - b. Firing rates: 1.26 MMBtu and 1 MMBtu
2. MSDS for No. 3 Special: see attached spec sheet
3. TAC storage tanks contain asphalt emulsion.
4. Number of screens for crusher: 1
5. Number of conveyors for crusher: 6

**~~Belvidere Plant Information~~**

JDK

1. Additions/deletions to list of equipment:
  - a. ~~Add Five 30,000 Gallon Liquid Asphalt Tanks~~
  - b. ~~Delete Five 25,000 Gallon Liquid Asphalt Tanks~~
  - c. ~~Delete 10,000 gallon Liquid Asphalt Tank~~
  - d. ~~Add One 676 hp diesel-fired generator~~
  - e. ~~Add One 100 hp diesel-fired generator~~
  - f. ~~Add One 127 hp diesel-fired generator~~
  - g. ~~Add One 235 hp diesel-fired generator~~
2. Changes to emission calculations. See revised spreadsheet tables.
  - a. Change annual maximum asphalt production rate for waste oil-fired plant from 640,000 TPY to 300,000 TPY (see Table 5).
  - b. Change monthly maximum asphalt production rate for waste oil-fired plant from 160,000 TPM to 87,500 TPM (see Table 5).
  - c. For changes to emission calculations for the diesel generators, see Table 6.
  - d. For changes to plantwide emissions, see Table 8.



STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL  
P. O. BOX 19506  
SPRINGFIELD, ILLINOIS 62794-9506

**STANDARD CONDITIONS FOR CONSTRUCTION/DEVELOPMENT PERMITS  
ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

July 1, 1985

The Illinois Environmental Protection Act (Illinois Revised Statutes, Chapter 111-1/2, Section 1039) authorizes the Environmental Protection Agency to impose conditions on permits which it issues.

The following conditions are applicable unless superseded by special condition(s).

1. Unless this permit has been extended or it has been voided by a newly issued permit, this permit will expire one year from the date of issuance, unless a continuous program of construction or development on this project has started by such time.
2. The construction or development covered by this permit shall be done in compliance with applicable provisions of the Illinois Environmental Protection Act and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any duly authorized agent of the Agency upon the presentation of credentials, at reasonable times:
  - a. to enter the permittee's property where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit,
  - b. to have access to and to copy any records required to be kept under the terms and conditions of this permit,
  - c. to inspect, including during any hours of operation of equipment constructed or operated under this permit, such equipment and any equipment required to be kept, used, operated, calibrated and maintained under this permit,
  - d. to obtain and remove samples of any discharge or emissions of pollutants, and
  - e. to enter and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
  - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located,
  - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities,
  - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations,
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project, and



- e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. a. Unless a joint construction/operation permit has been issued, a permit for operation shall be obtained from the Agency before the equipment covered by this permit is placed into operation.
- b. For purposes of shakedown and testing, unless otherwise specified by a special permit condition, the equipment covered under this permit may be operated for a period not to exceed thirty (30) days.
7. The Agency may file a complaint with the Board for modification, suspension or revocation of a permit:
- a. upon discovery that the permit application contained misrepresentations, misinformation or false statements or that all relevant facts were not disclosed, or
  - b. upon finding that any standard or special conditions have been violated, or
  - c. upon any violations of the Environmental Protection Act or any regulation effective thereunder as a result of the construction or development authorized by this permit.

**Table 5**  
**Potential Emissions from Waste Oil-Fired Asphalt Plant**  
**Firing No. 2 Fuel Oil or Waste Oil**  
**4525 Irene Road**  
**Rock Road Companies, Inc.**  
**Belvidere, Illinois**

Potential Emissions From the Waste Oil-Fired Asphalt Dryer															
Process/ Emission Source	PMPM <sub>10</sub> Emission Factor <sup>(a)</sup> (lb/ton)	PMPM <sub>10</sub> Monthly Emissions (ton/mo)	PMPM <sub>10</sub> Annual Emissions (ton/year)	CO Emission Factor <sup>(b)</sup> (lb/ton)	CO Monthly Emissions (ton/mo)	CO Annual Emissions (ton/year)	NO <sub>x</sub> Emission Factor <sup>(c)</sup> (lb/ton)	NO <sub>x</sub> Monthly Emissions (ton/mo)	NO <sub>x</sub> Annual Emissions (ton/year)	SO <sub>2</sub> Emission Factor <sup>(d)</sup> (lb/ton)	SO <sub>2</sub> Monthly Emissions (ton/mo)	SO <sub>2</sub> Annual Emissions (ton/year)	VOM Emission Factor <sup>(e)</sup> (lb/ton)	VOM Monthly Emissions (ton/mo)	VOM Annual Emissions (ton/year)
Dryer Fired with No. 2 Fuel Oil <sup>(f)</sup>	0.033	1.4	5.0	0.13	5.7	19.5	0.055	2.4	8.3	0.011	0.5	1.7	0.032	1.4	4.8
Dryer Fired with Waste Oil <sup>(f)</sup>	0.033	1.4	5.0	0.13	5.7	19.5	0.056	2.4	8.3	0.058	2.5	8.7	0.032	1.4	4.8

Minimum Asphalt Production Rate =	17800	ton/mo
Maximum Asphalt Production Rate =	398000	ton/year

(a) AP-42, Fifth Edition, Chapter 11.1 Hot Mix Asphalt Plants, Table 11.1-3.  
 (b) AP-42, Fifth Edition, Chapter 11.1 Hot Mix Asphalt Plants, Table 11.1-7.  
 (c) AP-42, Fifth Edition, Chapter 11.1 Hot Mix Asphalt Plants, Table 11.1-8.  
 (d) Represents current emission limits.  
 (e) Waste oil is also known as No. 3 Special Oil. Emissions rates represent "worst case" annual emissions.

Example Calculation: ton/mo PMPM<sub>10</sub> = 0.033 lb/ton x 180,000 ton/mo + 2,000 lb/ton = 2.6 ton/mo  
 Example Calculation: ton/year PMPM<sub>10</sub> = 0.033 lb/ton x 300,000 ton/yr + 2,000 lb/ton = 10.8 ton/year

**Table 6  
Potential Emissions from Five Diesel-Fired Generators  
4525 Irene Road  
Rock Road Companies, Inc.  
Belvidere, Illinois**

POLLUTANT	Generators > 600 hp <sup>(1)</sup>				Generators < 600 hp <sup>(2)</sup>				TOTAL (tons/year)
	POWER hp	EMISSION FACTORS <sup>(3)</sup> (lb/hr-hr) <sup>(7)</sup>	EMISSION RATES <sup>(4)</sup> (lb/hr)      (tons/year)		POWER hp	EMISSION FACTORS <sup>(5)</sup> (lb/hp-hr)	EMISSION RATES <sup>(6)</sup> (lb/hr)      (tons/year)		
SO <sub>2</sub>	1862	3.2E-05	0.1	0.1	462	0.002	0.9	1.4	1.5
NO <sub>x</sub>	1862	0.02	44.7	44.7	462	0.03	14.3	21.5	66.2
PM/PM <sub>10</sub>	1862	0.0007	1.3	1.3	462	0.0022	1.0	1.5	2.8
CO	1862	0.0055	10.2	10.2	462	0.0067	3.1	4.6	14.9
VOM	1862	0.001	1.2	1.2	462	0.002	1.1	1.7	2.9

(1) One 1,166 hp diesel-fired generator and one 676 hp diesel-fired generator.

(2) One 100 hp diesel-fired generator, one 127 hp diesel-fired generator, and one 235 hp diesel-fired generator.

(3) AP-42, Fifth Edition, Large Stationary Diesel and All Stationary Dual-fuel Engines, Chapter 3.4, Table 3.4-1.

(4) Based on each generator operating a maximum of 1000 hours per year.

(5) AP-42, Fifth Edition, Gasoline And Diesel Industrial Engines, Chapter 3.3, Table 3.3-1.

(6) Based on each generator operating a maximum of 1000 hours per year.

(7) SO<sub>2</sub> based on 0.4% sulfur content by weight in fuel.

**Table 6**  
**Summary Of Plantwide Emissions for Drum-Mix Asphalt Plant**  
**4525 Irene Road**  
**Rock Road Companies, Inc.**  
**Balvidere, Illinois**

<b>Oil-Fired Asphalt Plant (Bituma Plant)</b>	5.0	8.7	8.3	19.5	4.8	1.4
<b>Waste Oil-Fired Asphalt Plant</b>	5.0	8.7	8.3	19.5	4.8	1.4
<b>Five Diesel-Fired Generators</b>	2.8	1.5	68.2	14.9	2.9	0.22
	12.7	18.9	82.7	53.9	12.5	3.0

**URS**

*ZBD 12/10/86 → B. Demateif*

March 23, 2004

Mr. Jim Ross  
Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Permit Section  
1021 North Grand Avenue, East  
Springfield, Illinois 62702

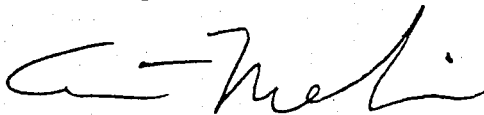
Dear Mr. Ross:

On behalf of Rock Road Companies, Inc., URS encloses two copies of a request to amend a federally enforceable state operating permit (FESOP) for an asphalt manufacturing plant located at 801 Beale Court in Rockford, Illinois (Site I.D. No. is 201808ABG). The enclosed includes all applicable Illinois air permit application forms.

If you have any questions concerning this application, please call me at (847) 228-0707.

Sincerely

URS Corporation



Eric Melvin  
Air Services Project Manager

Enclosure:

Cc: Steve Kennedy

**RECEIVED**

MAR 24 2004

**EPA - DAPC - SPFLD**



STATE OF ILLINOIS  
 ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF AIR POLLUTION CONTROL  
 PERMIT SECTION  
 P. O. BOX 19506  
 SPRINGFIELD, ILLINOIS 62794-9506

This Agency is authorized to require and you must disclose this information under 415 ILCS 5/39. Failure to do so could result in the application being denied and penalties under 415 ILCS 5 et seq. It is not necessary to use this form in providing this information. This form has been approved by the forms management center.

APPLICATION FOR PERMIT (A)		FOR AGENCY USE ONLY	
<input checked="" type="checkbox"/> CONSTRUCT	<input checked="" type="checkbox"/> OPERATE Amendment to existing operating permit	I.D. NO.	<u>201808ABG</u>
NAME OF EQUIPMENT TO BE CONSTRUCTED OR OPERATED <u>Beale Court Asphalt Plant</u>		PERMIT NO.	<u>04/030060</u>
(B) DATE			<u>3/24/04</u>

1a. NAME OF OWNER: Rock Road Companies, Inc.	2a. NAME OF OPERATOR: Rock Road Companies, Inc.		
1b. STREET ADDRESS OF OWNER: 301 West Townline Road	2b. STREET ADDRESS OF OPERATOR: 301 West Townline Road		
1c. CITY OF OWNER: Janesville	2c. CITY OF OPERATOR: Janesville		
1d. STATE OF OWNER: Wisconsin	1e. ZIP CODE: 53547	2d. STATE OF OPERATOR: Wisconsin	2e. ZIP CODE: 53547

3a. NAME OF CORPORATE DIVISION OR PLANT: Beale Court Asphalt Plant	3b. STREET ADDRESS OF EMISSION SOURCE: 801 Beale Court			
3c. CITY OF EMISSION SOURCE: Rockford	3d. LOCATED WITHIN CITY LIMITS: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3e. TOWNSHIP: Rockford	3f. COUNTY: Boone	3g. ZIP CODE: 61109

4. ALL CORRESPONDENCE TO: (TITLE AND/OR NAME OF INDIVIDUAL) Steve Kennedy	5. YOUR DESIGNATION FOR THIS APPLICATION: (c) Beale Court
6. ADDRESS FOR CORRESPONDENCE: (CHECK ONLY ONE) <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> OPERATOR <input type="checkbox"/> EMISSION SOURCE	7. WHO IS THE PERMIT APPLICANT? <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> OPERATOR

8. THE UNDERSIGNED HEREBY MAKES APPLICATION FOR A PERMIT AND CERTIFIES THAT THE STATEMENTS CONTAINED HEREIN ARE TRUE AND CORRECT, AND FURTHER CERTIFIES THAT ALL PREVIOUSLY SUBMITTED INFORMATION REFERENCED IN THIS APPLICATION REMAINS TRUE, CORRECT AND CURRENT. BY AFFIXING HIS/HER SIGNATURE HERETO THE UNDERSIGNED FURTHER CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS APPLICATION.

AUTHORIZED SIGNATURE(S) (D) Steph M Kennedy MAR 24 2004

BY <u>Steph M Kennedy</u> <u>3-19-04</u> BY <u>ERRA - DAPC - APRIL</u>	SIGNATURE	DATE
<u>STEPHEN M KENNEDY</u>	<u>ERRA - DAPC - APRIL</u>	<u>DATE</u>
TYPED OR PRINTED NAME OF SIGNER	TYPED OR PRINTED NAME OF SIGNER	
TITLE OF SIGNER	TITLE OF SIGNER	

(A) THIS FORM IS TO PROVIDE THE ILLINOIS EPA WITH GENERAL INFORMATION ABOUT THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS FORM MAY BE USED TO REQUEST A CONSTRUCTION PERMIT, AN OPERATING PERMIT, OR A JOINT CONSTRUCTION AND OPERATING PERMIT.

(B) ENTER THE GENERIC NAME OF THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS NAME WILL APPEAR ON THE PERMIT WHICH MAY BE ISSUED PURSUANT TO THIS APPLICATION. THIS FORM MUST BE ACCOMPANIED BY OTHER APPLICABLE FORMS AND INFORMATION.

(C) PROVIDE A DESIGNATION IN ITEM 5 ABOVE WHICH YOU WOULD LIKE THE ILLINOIS EPA TO USE FOR IDENTIFICATION OF YOUR EQUIPMENT. YOUR DESIGNATION WILL BE REFERENCED IN CORRESPONDENCE FROM THIS AGENCY RELATIVE TO THIS APPLICATION. YOUR DESIGNATION MUST NOT EXCEED TEN (10) CHARACTERS. (OPTIONAL)

(D) THIS APPLICATION MUST BE SIGNED IN ACCORDANCE WITH 35 ILL. ADM. CODE 201.154 OR 201.159 WHICH STATES: "ALL APPLICATIONS AND SUPPLEMENTS THERETO SHALL BE SIGNED BY THE OWNER AND OPERATOR OF THE EMISSION SOURCE OR AIR POLLUTION CONTROL EQUIPMENT, OR THEIR AUTHORIZED AGENT, AND SHALL BE ACCOMPANIED BY EVIDENCE OF AUTHORITY TO SIGN THE APPLICATION."

IF THE OWNER OR OPERATOR IS A CORPORATION, SUCH CORPORATION MUST HAVE ON FILE WITH THE ILLINOIS EPA A CERTIFIED COPY OF A RESOLUTION OF THE CORPORATION'S BOARD OF DIRECTORS AUTHORIZING THE PERSONS SIGNING THIS APPLICATION TO CAUSE OR ALLOW THE CONSTRUCTION OR OPERATION OF THE EQUIPMENT TO BE COVERED BY THE PERMIT.

<b>BILLING INFORMATION</b>		10. CONTACT PERSON FOR APPLICATION: Steve Kennedy	
9a. COMPANY NAME: Rock Road Companies, Inc.		11. CONTACT PERSON'S TELEPHONE NUMBER: (608) 752-8922	
9b. STREET ADDRESS: 301 West Townline Road		12. CONTACT PERSON'S FACSIMILE NUMBER: (608) 365-8146	
9c. CITY: Janesville		13. FEDERAL EMPLOYER IDENTIFICATION NUMBER (FEIN)	
9d. STATE: WI	9f. BILLING CONTACT PERSON: Steve Kennedy	14. PRIMARY STANDARD INDUSTRIAL CLASSIFICATION (SIC) CATEGORY: Asphalt Manufacturing	
9e. ZIP CODE: 53547	9g. CONTACT TELEPHONE NO.: (608) 752-8922	15. PRIMARY SIC NUMBER: 2951	16. TAXPAYER IDENTIFICATION NUMBER (TIN):

17. DOES THE APPLICATION CONTAIN A PLOT PLAN/MAP:  
 YES  NO  
 IF THE PLOT PLAN/MAP HAS PREVIOUSLY BEEN SUBMITTED, SPECIFY:  
 I.D. NO.: 2 0 1 8 0 8 A B G APPLICATION NUMBER 7 2 1 1 0 7 2 4  
 IS THE APPROXIMATE SIZE OF APPLICANT'S PREMISES LESS THAN 1 ACRE?  
 YES  NO IF "NO", SPECIFY \_\_\_\_\_ ACRES

18. DOES THE APPLICATION CONTAIN A PROCESS FLOW DIAGRAM(S) THAT ACCURATELY AND CLEARLY REPRESENTS CURRENT PRACTICE.  YES  NO

19. IS THE EMISSION UNIT COVERED BY THIS APPLICATION ALREADY CONSTRUCTED?  YES  NO  
 IF "YES", PROVIDE THE DATE CONSTRUCTION WAS COMPLETED: \_\_\_\_\_

20. IF THIS APPLICATION INCORPORATES BY REFERENCE A PREVIOUSLY GRANTED PERMIT(S), HAS FORM APC-210, "DATA AND INFORMATION-INCORPORATION BY REFERENCE" BEEN SUBMITTED?  YES  NO

APPLICATION FOR OPERATING PERMIT ONLY	21. DOES THE STARTUP OF AN EMISSION UNIT COVERED BY THIS APPLICATION PRODUCE AIR CONTAMINANT EMISSIONS IN EXCESS OF APPLICABLE STANDARDS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF "YES", HAS FORM APC-203, "OPERATION DURING STARTUP" BEEN COMPLETED FOR THIS UNIT? <input type="checkbox"/> YES <input type="checkbox"/> NO
---------------------------------------	--

APPLICATION FOR OPERATING PERMIT ONLY	22. DOES THIS APPLICATION REQUEST PERMISSION TO OPERATE AN EMISSION UNIT DURING MALFUNCTIONS OR BREAKDOWNS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF "YES", HAS FORM APC-204, "OPERATION DURING MALFUNCTION AND BREAKDOWN" BEEN COMPLETED FOR THIS UNIT? <input type="checkbox"/> YES <input type="checkbox"/> NO
---------------------------------------	--

APPLICATION FOR OPERATING PERMIT ONLY	23. IS AN EMISSION UNIT COVERED BY THIS APPLICATION SUBJECT TO A FUTURE COMPLIANCE DATE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF "YES", HAS FORM APC-202, "COMPLIANCE PROGRAM & PROJECT COMPLETION SCHEDULE" BEEN COMPLETED FOR THIS UNIT? <input type="checkbox"/> YES <input type="checkbox"/> NO
---------------------------------------	---

APPLICATION FOR OPERATING PERMIT ONLY	24. DOES THE SOURCE COVERED BY THIS APPLICATION REQUIRE AN EPISODE ACTION PLAN (REFER TO GUIDELINES FOR EPISODE ACTION PLANS)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
---------------------------------------	---

25. LIST AND IDENTIFY ALL FORMS, EXHIBITS, AND OTHER INFORMATION SUBMITTED AS PART OF THIS APPLICATION. INCLUDE THE PAGE NUMBERS OF EACH ITEM (ATTACH ADDITIONAL SHEETS IF NECESSARY):

APC200	
APC220	
APC260	
Support document	
Permit ID: 72110724	
APC210	
APC197	

TOTAL NUMBER OF PAGES \_\_\_\_\_



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION  
 P.O. BOX 19506  
 SPRINGFIELD, ILLINOIS 62794-9506

<b>FEE DETERMINATION FOR CONSTRUCTION PERMIT APPLICATION</b>	<b>FOR AGENCY USE ONLY</b>	
	ID NUMBER:	201 808 ABG
	PERMIT #:	04030060
	COMPLETE <input checked="" type="checkbox"/> INCOMPLETE <input type="checkbox"/>	DATE COMPLETE: 3/24/04
	CHECK #:	ACCOUNT NAME: Rock Road Coal Inc

THIS FORM IS TO BE USED BY ALL SOURCES TO SUPPLY FEE INFORMATION THAT MUST ACCOMPANY ALL CONSTRUCTION PERMIT APPLICATIONS. THIS APPLICATION MUST INCLUDE PAYMENT IN FULL TO BE DEEMED COMPLETE. MAKE CHECK OR MONEY ORDER PAYABLE TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY. SEND TO THE ADDRESS ABOVE. DO NOT SEND CASH. REFER TO INSTRUCTIONS (197-INST) FOR ASSISTANCE.

<b>SOURCE INFORMATION</b>	
1) SOURCE NAME: Rock Road Companies, Inc.	
2) PROJECT NAME: Request to amend Beale Court FESOP	3) SOURCE ID NO. (IF APPLICABLE): 201808ABG

<b>FEE DETERMINATION</b>		
4) FILL IN THE FOLLOWING THREE BOXES AS DETERMINED IN SECTIONS 1 THROUGH 4 BELOW:		
\$ 0 SECTION 1 SUBTOTAL	+ \$ 2,000 SECTION 2, 3 OR 4 SUBTOTAL	= \$ 2,000 GRAND TOTAL

<b>SECTION 5: STATUS OF SOURCE/PURPOSE OF SUBMITTAL</b>	
5) YOUR APPLICATION WILL FALL UNDER ONLY ONE OF THE FOLLOWING SIX CATEGORIES DESCRIBED BELOW. CHECK THE BOX THAT APPLIES, ENTER THE CORRESPONDING FEE IN THE BOX TO THE RIGHT AND COPY THIS FEE INTO THE SECTION 1 SUBTOTAL BOX ABOVE. PROCEED TO APPLICABLE SECTIONS.	
FOR PURPOSES OF THIS FORM:	
<ul style="list-style-type: none"> <li>MAJOR SOURCE IS A SOURCE THAT IS REQUIRED TO OBTAIN A CAAPP PERMIT.</li> <li>SYNTHETIC MINOR SOURCE IS A SOURCE THAT HAS TAKEN LIMITS ON POTENTIAL TO EMIT IN A PERMIT TO AVOID CAAPP PERMIT REQUIREMENTS (E.G., FESOP).</li> <li>NON-MAJOR SOURCE IS A SOURCE THAT IS NOT A MAJOR OR SYNTHETIC MINOR SOURCE.</li> </ul>	
<input checked="" type="checkbox"/> EXISTING SOURCE WITHOUT STATUS CHANGE OR WITH STATUS CHANGE FROM SYNTHETIC MINOR TO MAJOR SOURCE OR VICE VERSA. ENTER \$0 AND PROCEED TO SECTION 2.	\$ 0 SECTION 1 SUBTOTAL
<input type="checkbox"/> EXISTING NON-MAJOR SOURCE THAT WILL BECOME SYNTHETIC MINOR OR MAJOR SOURCE. ENTER \$5,000 AND PROCEED TO SECTION 4.	
<input type="checkbox"/> EXISTING MAJOR OR SYNTHETIC MINOR SOURCE THAT WILL BECOME NON-MAJOR SOURCE. ENTER \$4,000 AND PROCEED TO SECTION 3.	
<input type="checkbox"/> NEW MAJOR OR SYNTHETIC MINOR SOURCE. ENTER \$5,000 AND PROCEED TO SECTION 4.	
<input type="checkbox"/> NEW NON-MAJOR SOURCE. ENTER \$500 AND PROCEED TO SECTION 3.	
<input type="checkbox"/> AGENCY ERROR. IF THIS IS A TIMELY REQUEST TO CORRECT AN ISSUED PERMIT THAT INVOLVES ONLY AN AGENCY ERROR AND IF THE REQUEST IS RECEIVED WITHIN THE DEADLINE FOR A PERMIT APPEAL TO THE POLLUTION CONTROL BOARD, THEN ENTER \$0. SKIP SECTIONS 2, 3 AND 4. PROCEED DIRECTLY TO SECTION 5.	

<b>SECTION 6: SPECIAL CASE FILING FEE</b>
6) FILING FEE. IF THE APPLICATION ONLY ADDRESSES ONE OR MORE OF THE FOLLOWING, CHECK THE APPROPRIATE BOXES, ENTER \$500 IN THE SECOND BOX UNDER FEE DETERMINATION ABOVE, SKIP SECTIONS 3 AND 4 AND PROCEED DIRECTLY TO SECTION 5. OTHERWISE, PROCEED TO SECTION 3 OR 4, AS APPROPRIATE.
<input type="checkbox"/> ADDITION OR REPLACEMENT OF CONTROL DEVICES ON PERMITTED UNITS <input type="checkbox"/> PILOT PROJECTS/TRIAL BURNS BY A PERMITTED UNIT <input type="checkbox"/> APPLICATIONS ONLY INVOLVING INSIGNIFICANT ACTIVITIES UNDER 35 IAC 201.210 (MAJOR SOURCES ONLY) <input type="checkbox"/> LAND REMEDIATION PROJECTS <input type="checkbox"/> REVISIONS RELATED TO METHODOLOGY OR TIMING FOR EMISSION TESTING <input type="checkbox"/> MINOR ADMINISTRATIVE-TYPE CHANGE TO A PERMIT

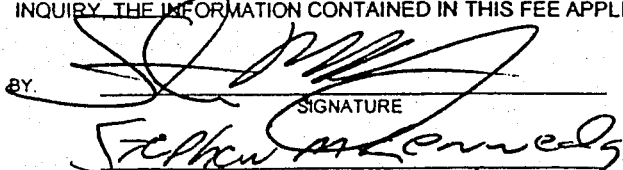
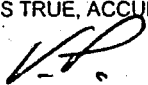
THIS AGENCY IS AUTHORIZED TO REQUIRE AND YOU MUST DISCLOSE THIS INFORMATION UNDER 415 ILCS 5/39. FAILURE TO DO SO COULD RESULT IN THE APPLICATION BEING DENIED AND PENALTIES UNDER 415 ILCS 5 ET SEQ. IT IS NOT NECESSARY TO USE THIS FORM IN PROVIDING THIS INFORMATION. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE



SECTION 3: FEES FOR CURRENT OR PROJECTED NON-MAJOR SOURCES	
7) IF THIS APPLICATION CONSISTS OF A SINGLE NEW EMISSION UNIT OR NO MORE THAN TWO MODIFIED EMISSION UNITS, ENTER \$500.	7)
8) IF THIS APPLICATION CONSISTS OF MORE THAN ONE NEW EMISSION UNIT OR MORE THAN TWO MODIFIED UNITS, ENTER \$1,000.	8)
9) IF THIS APPLICATION CONSISTS OF A NEW SOURCE OR EMISSION UNIT SUBJECT TO SECTION 39.2 OF THE ACT (I.E., LOCAL SITING REVIEW); A COMMERCIAL INCINERATOR OR A MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR AN EMISSION UNIT DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$15,000.	9)
10) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.	10)
11) SECTION 3 SUBTOTAL (ADD LINES 7 THROUGH 10) TO BE ENTERED ON PAGE 1.	11)

SECTION 4: FEES FOR CURRENT OR PROJECTED MAJOR OR SYNTHETIC MINOR SOURCES			
Application Contains Modified Emission Units Only	12) FOR THE FIRST MODIFIED EMISSION UNIT, ENTER \$2,000.	12) 2000	
	13) NUMBER OF ADDITIONAL MODIFIED EMISSION UNITS = _____ X \$1,000.	13) 0	
	14) LINE 12 PLUS LINE 13, OR \$5,000, WHICHEVER IS LESS.		14) 2000
Application Contains New And/Or Modified Emission Units	15) FOR THE FIRST NEW EMISSION UNIT, ENTER \$4,000.	15)	
	16) NUMBER OF ADDITIONAL NEW AND/OR MODIFIED EMISSION UNITS = _____ X \$1,000.	16)	
	17) LINE 15 PLUS LINE 16, OR \$10,000, WHICHEVER IS LESS.		17)
Application Contains Netting Exercise	18) NUMBER OF INDIVIDUAL POLLUTANTS THAT RELY ON A NETTING EXERCISE OR CONTEMPORANEOUS EMISSIONS DECREASE TO AVOID APPLICATION OF PSD OR NONATTAINMENT NSR = _____ X \$3,000.		18)
Additional Supplemental Fees	19) IF THE NEW SOURCE OR EMISSION UNIT IS SUBJECT TO SECTION 39.2 OF THE ACT (I.E., SITING); A COMMERCIAL INCINERATOR OR OTHER MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR ONE OR MORE OTHER EMISSION UNITS DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$25,000.		19)
	20) IF THE SOURCE IS A NEW MAJOR SOURCE SUBJECT TO PSD, ENTER \$12,000.		20)
	21) IF THE PROJECT IS A MAJOR MODIFICATION SUBJECT TO PSD, ENTER \$6,000.		21)
	22) IF THIS IS A NEW MAJOR SOURCE SUBJECT TO NONATTAINMENT (NAA) NSR, ENTER \$20,000.		22)
	23) IF THIS IS A MAJOR MODIFICATION SUBJECT TO NAA NSR, ENTER \$12,000.		23)
	24) IF APPLICATION INVOLVES A DETERMINATION OF CLEAN UNIT STATUS AND THEREFORE IS NOT SUBJECT TO BACT OR LAER, ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIRED. _____ X \$5,000.		24)
	25) IF APPLICATION INVOLVES A DETERMINATION OF MACT FOR A POLLUTANT AND THE PROJECT IS NOT SUBJECT TO BACT OR LAER FOR THE RELATED POLLUTANT UNDER PSD OR NSR (E.G., VOM FOR ORGANIC HAP), ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIRED. _____ X \$5,000.		25)
26) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.		26)	
27) SECTION 4 SUBTOTAL (ADD LINES 14 AND LINES 17 THROUGH 26) TO BE ENTERED ON PAGE 1.			27) 2000

SECTION 5: CERTIFICATION	
NOTE: APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED INCOMPLETE.	
28) I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE INFORMATION CONTAINED IN THIS FEE APPLICATION FORM IS TRUE, ACCURATE AND COMPLETE.	
BY: 	
SIGNATURE	TITLE OF SIGNATORY
Stephen Kennedy	3, 19, 04
TYPED OR PRINTED NAME OF SIGNATORY	DATE

*Request To Amend Federally Enforceable State  
Operating Permit (FESOP)  
For a Natural Gas-Fired Drum-Mix Asphalt Plant  
801 Beale Court, Rockford, Illinois*

*Rock Road Companies, Inc.  
301 West Townline Road  
P.O. Box 1779  
Janesville, Wisconsin 53547*

*March, 2004*

Prepared by:

**URS**

*URS Corporation  
Rolling Meadows, IL*

---

**REQUEST TO AMEND  
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
FOR A NATURAL GAS-FIRED DRUM-MIX ASPHALT PLANT  
801 BEALE COURT, ROCKFORD, ILLINOIS  
SITE ID: 201808ABG**

**For**

Rock Road Companies, Inc.  
Janesville, Wisconsin 53547

**Submitted By**

Rock Road Companies, Inc.  
301 West Townline Road  
P.O. Box 1779  
Janesville, Wisconsin 53547  
Phone (608) 752-8922  
Fax (608) 365-8146

**Prepared by**

URS Corporation  
One Continental Towers, Suite 1000  
1701 Golf Road  
Rolling Meadows, Illinois 60008  
Phone (847) 228-0707  
Fax (847) 228-1115

**Contact: Mr. Eric Melvin or Mr. Jim Powell**

**Email : [eric\\_melvin@urscorp.com](mailto:eric_melvin@urscorp.com) [jim\\_powell@urscorp.com](mailto:jim_powell@urscorp.com)**



STATE OF ILLINOIS  
 ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF AIR POLLUTION CONTROL  
 PERMIT SECTION  
 P. O. BOX 19506  
 SPRINGFIELD, ILLINOIS 62794-9506

This Agency is authorized to require and you must disclose this information under 415 ILCS 5/39. Failure to do so could result in the application being denied and penalties under 415 ILCS 5 et seq. It is not necessary to use this form in providing this information. This form has been approved by the forms management center.

APPLICATION FOR PERMIT (A)		FOR AGENCY USE ONLY	
<input checked="" type="checkbox"/> CONSTRUCT	<input checked="" type="checkbox"/> OPERATE Amendment to existing operating permit	I.D. NO.	<u>201808ABG</u>
NAME OF EQUIPMENT TO BE CONSTRUCTED OR OPERATED <u>Beale Court Asphalt Plant</u>		PERMIT NO.	<u>04/030060</u>
(B) DATE			<u>3/24/04</u>

1a. NAME OF OWNER: Rock Road Companies, Inc.		2a. NAME OF OPERATOR: Rock Road Companies, Inc.	
1b. STREET ADDRESS OF OWNER: 301 West Townline Road		2b. STREET ADDRESS OF OPERATOR: 301 West Townline Road	
1c. CITY OF OWNER: Janesville		2c. CITY OF OPERATOR: Janesville	
1d. STATE OF OWNER: Wisconsin	1e. ZIP CODE: 53547	2d. STATE OF OPERATOR: Wisconsin	2e. ZIP CODE: 53547

3a. NAME OF CORPORATE DIVISION OR PLANT: Beale Court Asphalt Plant		3b. STREET ADDRESS OF EMISSION SOURCE: 801 Beale Court		
3c. CITY OF EMISSION SOURCE: Rockford	3d. LOCATED WITHIN CITY LIMITS: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3e. TOWNSHIP: Rockford	3f. COUNTY: Boone	3g. ZIP CODE: 61109

4. ALL CORRESPONDENCE TO: (TITLE AND/OR NAME OF INDIVIDUAL) Steve Kennedy	5. YOUR DESIGNATION FOR THIS APPLICATION: (C) Beale Court
6. ADDRESS FOR CORRESPONDENCE: (CHECK ONLY ONE) <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> OPERATOR <input type="checkbox"/> EMISSION SOURCE	7. WHO IS THE PERMIT APPLICANT? <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> OPERATOR

8. THE UNDERSIGNED HEREBY MAKES APPLICATION FOR A PERMIT AND CERTIFIES THAT THE STATEMENTS CONTAINED HEREIN ARE TRUE AND CORRECT, AND FURTHER CERTIFIES THAT ALL PREVIOUSLY SUBMITTED INFORMATION REFERENCED IN THIS APPLICATION REMAINS TRUE, CORRECT AND CURRENT. BY AFFIXING HIS/HER SIGNATURE HERETO THE UNDERSIGNED FURTHER CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS APPLICATION.

AUTHORIZED SIGNATURE(S) (D)

BY *Stephen Kennedy* 3-19-04 BY MAR 24 2004  
 SIGNATURE DATE SIGNATURE DATE  
Stephen Kennedy DATE EPA - DAPC - SPFLD DATE  
 TYPED OR PRINTED NAME OF SIGNER TYPED OR PRINTED NAME OF SIGNER  
 TITLE OF SIGNER TITLE OF SIGNER

(A) THIS FORM IS TO PROVIDE THE ILLINOIS EPA WITH GENERAL INFORMATION ABOUT THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS FORM MAY BE USED TO REQUEST A CONSTRUCTION PERMIT, AN OPERATING PERMIT, OR A JOINT CONSTRUCTION AND OPERATING PERMIT.

(B) ENTER THE GENERIC NAME OF THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS NAME WILL APPEAR ON THE PERMIT WHICH MAY BE ISSUED PURSUANT TO THIS APPLICATION. THIS FORM MUST BE ACCOMPANIED BY OTHER APPLICABLE FORMS AND INFORMATION.

(C) PROVIDE A DESIGNATION IN ITEM 5 ABOVE WHICH YOU WOULD LIKE THE ILLINOIS EPA TO USE FOR IDENTIFICATION OF YOUR EQUIPMENT. YOUR DESIGNATION WILL BE REFERENCED IN CORRESPONDENCE FROM THIS AGENCY RELATIVE TO THIS APPLICATION. YOUR DESIGNATION MUST NOT EXCEED TEN (10) CHARACTERS. (OPTIONAL)

(D) THIS APPLICATION MUST BE SIGNED IN ACCORDANCE WITH 35 ILL. ADM. CODE 201.154 OR 201.159 WHICH STATES: "ALL APPLICATIONS AND SUPPLEMENTS THERETO SHALL BE SIGNED BY THE OWNER AND OPERATOR OF THE EMISSION SOURCE OR AIR POLLUTION CONTROL EQUIPMENT, OR THEIR AUTHORIZED AGENT, AND SHALL BE ACCOMPANIED BY EVIDENCE OF AUTHORITY TO SIGN THE APPLICATION."

IF THE OWNER OR OPERATOR IS A CORPORATION, SUCH CORPORATION MUST HAVE ON FILE WITH THE ILLINOIS EPA A CERTIFIED COPY OF A RESOLUTION OF THE CORPORATION'S BOARD OF DIRECTORS AUTHORIZING THE PERSONS SIGNING THIS APPLICATION TO CAUSE OR ALLOW THE CONSTRUCTION OR OPERATION OF THE EQUIPMENT TO BE COVERED BY THE PERMIT.

<b>BILLING INFORMATION</b>		10. CONTACT PERSON FOR APPLICATION: Steve Kennedy
9a. COMPANY NAME: Rock Road Companies, Inc.		11. CONTACT PERSON'S TELEPHONE NUMBER: (608) 752-8922
9b. STREET ADDRESS: 301 West Townline Road		12. CONTACT PERSON'S FACSIMILE NUMBER: (608) 365-8146
9c. CITY: Janesville		13. FEDERAL EMPLOYER IDENTIFICATION NUMBER (FEIN)
9d. STATE: WI	9f. BILLING CONTACT PERSON: Steve Kennedy	14. PRIMARY STANDARD INDUSTRIAL CLASSIFICATION (SIC) CATEGORY: Asphalt Manufacturing
9e. ZIP CODE: 53547	9g. CONTACT TELEPHONE NO.: (608) 752-8922	15. PRIMARY SIC NUMBER: 2951
		16. TAXPAYER IDENTIFICATION NUMBER (TIN):

17. DOES THE APPLICATION CONTAIN A PLOT PLAN/MAP:  
 YES  NO  
 IF THE PLOT PLAN/MAP HAS PREVIOUSLY BEEN SUBMITTED, SPECIFY:  
 I. D. NO.: 2 0 1 8 0 8 A B G APPLICATION NUMBER 7 2 1 1 0 7 2 4  
 IS THE APPROXIMATE SIZE OF APPLICANT'S PREMISES LESS THAN 1 ACRE?  
 YES  NO IF "NO", SPECIFY \_\_\_\_\_ ACRES

18. DOES THE APPLICATION CONTAIN A PROCESS FLOW DIAGRAM(S) THAT ACCURATELY AND CLEARLY REPRESENTS CURRENT PRACTICE.  YES  NO

19. IS THE EMISSION UNIT COVERED BY THIS APPLICATION ALREADY CONSTRUCTED?  YES  NO  
 IF "YES", PROVIDE THE DATE CONSTRUCTION WAS COMPLETED: \_\_\_\_\_

20. IF THIS APPLICATION INCORPORATES BY REFERENCE A PREVIOUSLY GRANTED PERMIT(S), HAS FORM APC-210, "DATA AND INFORMATION-INCORPORATION BY REFERENCE" BEEN SUBMITTED?  YES  NO

APPLICATION FOR OPERATING PERMIT ONLY	21. DOES THE STARTUP OF AN EMISSION UNIT COVERED BY THIS APPLICATION PRODUCE AIR CONTAMINANT EMISSIONS IN EXCESS OF APPLICABLE STANDARDS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF "YES", HAS FORM APC-203, "OPERATION DURING STARTUP" BEEN COMPLETED FOR THIS UNIT? <input type="checkbox"/> YES <input type="checkbox"/> NO
---------------------------------------	--

APPLICATION FOR OPERATING PERMIT ONLY	22. DOES THIS APPLICATION REQUEST PERMISSION TO OPERATE AN EMISSION UNIT DURING MALFUNCTIONS OR BREAKDOWNS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF "YES", HAS FORM APC-204, "OPERATION DURING MALFUNCTION AND BREAKDOWN" BEEN COMPLETED FOR THIS UNIT? <input type="checkbox"/> YES <input type="checkbox"/> NO
---------------------------------------	--

APPLICATION FOR OPERATING PERMIT ONLY	23. IS AN EMISSION UNIT COVERED BY THIS APPLICATION SUBJECT TO A FUTURE COMPLIANCE DATE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF "YES", HAS FORM APC-202, "COMPLIANCE PROGRAM & PROJECT COMPLETION SCHEDULE" BEEN COMPLETED FOR THIS UNIT? <input type="checkbox"/> YES <input type="checkbox"/> NO
---------------------------------------	---

APPLICATION FOR OPERATING PERMIT ONLY	24. DOES THE SOURCE COVERED BY THIS APPLICATION REQUIRE AN EPISODE ACTION PLAN (REFER TO GUIDELINES FOR EPISODE ACTION PLANS)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
---------------------------------------	---

25. LIST AND IDENTIFY ALL FORMS, EXHIBITS, AND OTHER INFORMATION SUBMITTED AS PART OF THIS APPLICATION. INCLUDE THE PAGE NUMBERS OF EACH ITEM (ATTACH ADDITIONAL SHEETS IF NECESSARY):

APC200	
APC220	
APC260	
Support document	
Permit ID: 72110724	
APC210	
APC197	

TOTAL NUMBER OF PAGES \_\_\_\_\_



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION  
 P.O. BOX 19506  
 SPRINGFIELD, ILLINOIS 62794-9506

<b>FEE DETERMINATION FOR CONSTRUCTION PERMIT APPLICATION</b>	<b>FOR AGENCY USE ONLY</b>	
	ID NUMBER:	201808ABG
	PERMIT #:	04030060
	COMPLETE <input checked="" type="checkbox"/> INCOMPLETE <input type="checkbox"/>	DATE COMPLETE: 3/24/04
CHECK #:	ACCOUNT NAME:	
00058404	Rock Road Coaline	

THIS FORM IS TO BE USED BY ALL SOURCES TO SUPPLY FEE INFORMATION THAT MUST ACCOMPANY ALL CONSTRUCTION PERMIT APPLICATIONS. THIS APPLICATION MUST INCLUDE PAYMENT IN FULL TO BE DEEMED COMPLETE. MAKE CHECK OR MONEY ORDER PAYABLE TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY. SEND TO THE ADDRESS ABOVE. DO NOT SEND CASH. REFER TO INSTRUCTIONS (197-INST) FOR ASSISTANCE.

SOURCE INFORMATION		
1) SOURCE NAME: Rock Road Companies, Inc.		
2) PROJECT NAME: Request to amend Beale Court FESOP	3) SOURCE ID NO. (IF APPLICABLE): 201808ABG	

FEE DETERMINATION		
4) FILL IN THE FOLLOWING THREE BOXES AS DETERMINED IN SECTIONS 1 THROUGH 4 BELOW:		
\$ 0	+	\$ 2,000
SECTION 1 SUBTOTAL		= \$ 2,000
	SECTION 2, 3 OR 4 SUBTOTAL	GRAND TOTAL

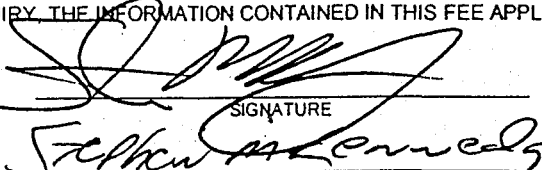
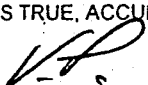
SECTION 1: STATUS OF SOURCE/PURPOSE OF SUBMITTAL	
5) YOUR APPLICATION WILL FALL UNDER ONLY ONE OF THE FOLLOWING SIX CATEGORIES DESCRIBED BELOW. CHECK THE BOX THAT APPLIES, ENTER THE CORRESPONDING FEE IN THE BOX TO THE RIGHT AND COPY THIS FEE INTO THE SECTION 1 SUBTOTAL BOX ABOVE. PROCEED TO APPLICABLE SECTIONS. FOR PURPOSES OF THIS FORM:	
<ul style="list-style-type: none"> <li>• MAJOR SOURCE IS A SOURCE THAT IS REQUIRED TO OBTAIN A CAAPP PERMIT.</li> <li>• SYNTHETIC MINOR SOURCE IS A SOURCE THAT HAS TAKEN LIMITS ON POTENTIAL TO EMIT IN A PERMIT TO AVOID CAAPP PERMIT REQUIREMENTS (E.G., FESOP).</li> <li>• NON-MAJOR SOURCE IS A SOURCE THAT IS NOT A MAJOR OR SYNTHETIC MINOR SOURCE.</li> </ul>	
<input checked="" type="checkbox"/> EXISTING SOURCE WITHOUT STATUS CHANGE OR WITH STATUS CHANGE FROM SYNTHETIC MINOR TO MAJOR SOURCE OR VICE VERSA. ENTER \$0 AND PROCEED TO SECTION 2.	\$ 0 SECTION 1 <b>RECEIVED</b> MAR 24 2004 IEPA - DAPC - SPFLD
<input type="checkbox"/> EXISTING NON-MAJOR SOURCE THAT WILL BECOME SYNTHETIC MINOR OR MAJOR SOURCE. ENTER \$5,000 AND PROCEED TO SECTION 4.	
<input type="checkbox"/> EXISTING MAJOR OR SYNTHETIC MINOR SOURCE THAT WILL BECOME NON-MAJOR SOURCE. ENTER \$4,000 AND PROCEED TO SECTION 3.	
<input type="checkbox"/> NEW MAJOR OR SYNTHETIC MINOR SOURCE. ENTER \$5,000 AND PROCEED TO SECTION 4.	
<input type="checkbox"/> NEW NON-MAJOR SOURCE. ENTER \$500 AND PROCEED TO SECTION 3.	
<input type="checkbox"/> AGENCY ERROR. IF THIS IS A TIMELY REQUEST TO CORRECT AN ISSUED PERMIT THAT INVOLVES ONLY AN AGENCY ERROR AND IF THE REQUEST IS RECEIVED WITHIN THE DEADLINE FOR A PERMIT APPEAL TO THE POLLUTION CONTROL BOARD, THEN ENTER \$0. SKIP SECTIONS 2, 3 AND 4. PROCEED DIRECTLY TO SECTION 5.	

SECTION 2: SPECIAL CASE FILING FEE
6) FILING FEE. IF THE APPLICATION ONLY ADDRESSES ONE OR MORE OF THE FOLLOWING, CHECK THE APPROPRIATE BOXES, ENTER \$500 IN THE SECOND BOX UNDER FEE DETERMINATION ABOVE, SKIP SECTIONS 3 AND 4 AND PROCEED DIRECTLY TO SECTION 5. OTHERWISE, PROCEED TO SECTION 3 OR 4, AS APPROPRIATE.
<input type="checkbox"/> ADDITION OR REPLACEMENT OF CONTROL DEVICES ON PERMITTED UNITS <input type="checkbox"/> PILOT PROJECTS/TRIAL BURNS BY A PERMITTED UNIT <input type="checkbox"/> APPLICATIONS ONLY INVOLVING INSIGNIFICANT ACTIVITIES UNDER 35 IAC 201.210 (MAJOR SOURCES ONLY) <input type="checkbox"/> LAND REMEDIATION PROJECTS <input type="checkbox"/> REVISIONS RELATED TO METHODOLOGY OR TIMING FOR EMISSION TESTING <input type="checkbox"/> MINOR ADMINISTRATIVE-TYPE CHANGE TO A PERMIT

THIS AGENCY IS AUTHORIZED TO REQUIRE AND YOU MUST DISCLOSE THIS INFORMATION UNDER 415 ILCS 5/39. FAILURE TO DO SO COULD RESULT IN THE APPLICATION BEING DENIED AND PENALTIES UNDER 415 ILCS 5 ET SEQ. IT IS NOT NECESSARY TO USE THIS FORM IN PROVIDING THIS INFORMATION. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

SECTION 3: FEES FOR CURRENT OR PROJECTED NON-MAJOR SOURCES		
7) IF THIS APPLICATION CONSISTS OF A SINGLE NEW EMISSION UNIT OR NO MORE THAN TWO MODIFIED EMISSION UNITS, ENTER \$500.		7)
8) IF THIS APPLICATION CONSISTS OF MORE THAN ONE NEW EMISSION UNIT OR MORE THAN TWO MODIFIED UNITS, ENTER \$1,000.		8)
9) IF THIS APPLICATION CONSISTS OF A NEW SOURCE OR EMISSION UNIT SUBJECT TO SECTION 39.2 OF THE ACT (I.E., LOCAL SITING REVIEW); A COMMERCIAL INCINERATOR OR A MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR AN EMISSION UNIT DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$15,000.		9)
10) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.		10)
11) SECTION 3 SUBTOTAL (ADD LINES 7 THROUGH 10) TO BE ENTERED ON PAGE 1.		11)

SECTION 4: FEES FOR CURRENT OR PROJECTED MAJOR OR SYNTHETIC MINOR SOURCES			
Application Contains Modified Emission Units Only	12) FOR THE FIRST MODIFIED EMISSION UNIT, ENTER \$2,000.	12) 2000	
	13) NUMBER OF ADDITIONAL MODIFIED EMISSION UNITS = _____ X \$1,000.	13) 0	
	14) LINE 12 PLUS LINE 13, OR \$5,000, WHICHEVER IS LESS.		14) 2000
Application Contains New And/Or Modified Emission Units	15) FOR THE FIRST NEW EMISSION UNIT, ENTER \$4,000.	15)	
	16) NUMBER OF ADDITIONAL NEW AND/OR MODIFIED EMISSION UNITS = _____ X \$1,000.	16)	
	17) LINE 15 PLUS LINE 16, OR \$10,000, WHICHEVER IS LESS.		17)
Application Contains Netting Exercise	18) NUMBER OF INDIVIDUAL POLLUTANTS THAT RELY ON A NETTING EXERCISE OR CONTEMPORANEOUS EMISSIONS DECREASE TO AVOID APPLICATION OF PSD OR NONATTAINMENT NSR = _____ X \$3,000.		18)
Additional Supplemental Fees	19) IF THE NEW SOURCE OR EMISSION UNIT IS SUBJECT TO SECTION 39.2 OF THE ACT (I.E., SITING); A COMMERCIAL INCINERATOR OR OTHER MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR ONE OR MORE OTHER EMISSION UNITS DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$25,000.		19)
	20) IF THE SOURCE IS A NEW MAJOR SOURCE SUBJECT TO PSD, ENTER \$12,000.		20)
	21) IF THE PROJECT IS A MAJOR MODIFICATION SUBJECT TO PSD, ENTER \$6,000.		21)
	22) IF THIS IS A NEW MAJOR SOURCE SUBJECT TO NONATTAINMENT (NAA) NSR, ENTER \$20,000.		22)
	23) IF THIS IS A MAJOR MODIFICATION SUBJECT TO NAA NSR, ENTER \$12,000.		23)
	24) IF APPLICATION INVOLVES A DETERMINATION OF CLEAN UNIT STATUS AND THEREFORE IS NOT SUBJECT TO BACT OR LAER, ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIRED. _____ X \$5,000.		24)
	25) IF APPLICATION INVOLVES A DETERMINATION OF MACT FOR A POLLUTANT AND THE PROJECT IS NOT SUBJECT TO BACT OR LAER FOR THE RELATED POLLUTANT UNDER PSD OR NSR (E.G., VOM FOR ORGANIC HAP), ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIRED. _____ X \$5,000.		25)
26) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.		26)	
27) SECTION 4 SUBTOTAL (ADD LINES 14 AND LINES 17 THROUGH 26) TO BE ENTERED ON PAGE 1.		27) 2000	

SECTION 5: CERTIFICATION	
NOTE: APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED INCOMPLETE.	
28) I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE INFORMATION CONTAINED IN THIS FEE APPLICATION FORM IS TRUE, ACCURATE AND COMPLETE.	
BY: 	
SIGNATURE	TITLE OF SIGNATORY
STEPHEN J. KENNEDY	3, 19, 04
TYPED OR PRINTED NAME OF SIGNATORY	DATE

*Request To Amend Federally Enforceable State  
Operating Permit (FESOP)  
For a Natural Gas-Fired Drum-Mix Asphalt Plant  
801 Beale Court, Rockford, Illinois*

*Rock Road Companies, Inc.  
301 West Townline Road  
P.O. Box 1779  
Janesville, Wisconsin 53547*

*March, 2004*

Prepared by:

**URS**

*URS Corporation  
Rolling Meadows, IL*

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**REQUEST TO AMEND  
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
FOR A NATURAL GAS-FIRED DRUM-MIX ASPHALT PLANT  
801 BEALE COURT, ROCKFORD, ILLINOIS  
SITE ID: 201808ABG**

**For**

Rock Road Companies, Inc.  
Janesville, Wisconsin 53547

**Submitted By**

Rock Road Companies, Inc.  
301 West Townline Road  
P.O. Box 1779  
Janesville, Wisconsin 53547  
Phone (608) 752-8922  
Fax (608) 365-8146

**Prepared by**

URS Corporation  
One Continental Towers, Suite 1000  
1701 Golf Road  
Rolling Meadows, Illinois 60008  
Phone (847) 228-0707  
Fax (847) 228-1115

Contact: Mr. Eric Melvin or Mr. Jim Powell

Email : [eric\\_melvin@urscorp.com](mailto:eric_melvin@urscorp.com) [jim\\_powell@urscorp.com](mailto:jim_powell@urscorp.com)

STATE OF ILLINOIS  
 ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF AIR POLLUTION CONTROL  
 1021 NORTH GRAND AVENUE, EAST  
 SPRINGFIELD, ILLINOIS 62702

Page \_\_\_\_\_ of \_\_\_\_\_

<p>DATA AND INFORMATION</p> <p>INCORPORATION BY REFERENCE</p>	
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THIS FORM IS TO BE USED TO INCORPORATE OR TRANSFER INFORMATION FROM ONE PERMIT APPLICATION TO ANOTHER, INCLUDING THE TRANSFER OF INFORMATION FROM A CONSTRUCTION PERMIT APPLICATION INTO AN OPERATING PERMIT APPLICATION. THIS FORM SHOULD ACCOMPANY THE APPLICATION INTO WHICH INFORMATION IS TO BE TRANSFERRED.

1. NAME OF OWNER: Rock Road Companies, Inc.	2. NAME OF CORPORATE DIVISION OR PLANT (IF DIFFERENT FROM OWNER): Beale Court Asphalt Plant
3. STREET ADDRESS OF EMISSION SOURCE: 801 Beale Court	4. CITY OF EMISSION SOURCE: Rockford
5. IDENTIFICATION NUMBER: 201808ABG	

6. APPLICATION NUMBER: 72110724	7. <input type="checkbox"/> CONSTRUCTION <input checked="" type="checkbox"/> OPERATION OF: Drum Mix Asphalt Plant
------------------------------------	--

8. SHOULD ALL INFORMATION IN THIS APPLICATION BE INCORPORATED BY REFERENCE OR TRANSFERRED?  
 YES  NO  
 IF "NO", LIST ITEMS TO BE INCORPORATED

9a. ITEM TO BE INCORPORATED:	b. PAGE:	c. FLOW DIAGRAM DESIGNATION (IF APPLICABLE):
All items except Condition 6a, 6b and 6c.	2-3	N/A

10. DOES THE DATA & INFORMATION DESCRIBING THESE ITEMS REMAIN TRUE, CORRECT, CURRENT, AND COMPLETE?  
 YES  NO  
 IF "NO", SUBMIT THE APPLICATION FORMS AND CLEARLY STATE THE DATA AND INFORMATION WHICH IS NO LONGER TRUE, CORRECT, CURRENT, AND COMPLETE.

11. APPLICATION NUMBER:	12. <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> OPERATION OF:
-------------------------	---

13. SHOULD ALL INFORMATION IN THIS APPLICATION BE INCORPORATED BY REFERENCE OR TRANSFERRED?  
 YES  NO  
 IF "NO", LIST ITEMS TO BE INCORPORATED

14a. ITEM TO BE INCORPORATED:	b. PAGE:	c. FLOW DIAGRAM DESIGNATION (IF APPLICABLE):

15. DOES THE DATA & INFORMATION DESCRIBING THESE ITEMS REMAIN TRUE, CORRECT, CURRENT, AND COMPLETE?  
 YES  NO  
 IF "NO", SUBMIT THE APPLICATION FORMS AND CLEARLY STATE THE DATA AND INFORMATION WHICH IS NO LONGER TRUE, CORRECT, CURRENT, AND COMPLETE.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

STATE OF ILLINOIS  
 ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF AIR POLLUTION CONTROL  
 1021 NORTH GRAND AVENUE, EAST  
 SPRINGFIELD, ILLINOIS 62702

Page \_\_\_\_\_ of \_\_\_\_\_

<p><b>* DATA AND INFORMATION</b></p> <p><b>PROCESS EMISSION SOURCE</b></p>	
--	--

\* THIS INFORMATION FORM IS TO BE COMPLETED FOR AN EMISSION SOURCE OTHER THAN A FUEL COMBUSTION EMISSION SOURCE OR AN INCINERATOR. A FUEL COMBUSTION EMISSION SOURCE IS A FURNACE, BOILER, OR SIMILAR EQUIPMENT USED PRIMARILY FOR PRODUCING HEAT OR POWER BY INDIRECT HEAT TRANSFER. AN INCINERATOR IS AN APPARATUS IN WHICH REFUSE IS BURNED.

1. NAME OF PLANT OWNER: Rock Road Companies, Inc.	2. NAME OF CORPORATE DIVISION OR PLANT (IF DIFFERENT FROM OWNER): Beale Court Asphalt Plant
3. STREET ADDRESS OF EMISSION SOURCE: 801 Beale Court	4. CITY OF EMISSION SOURCE: Rockford

GENERAL INFORMATION		
5. NAME OF PROCESS: Drum-Mix Asphalt Plant	6. NAME OF EMISSION SOURCE EQUIPMENT: Drum Mix Dryer	
7. EMISSION SOURCE EQUIPMENT MANUFACTURER: N/A	8. MODEL NUMBER: N/A	9. SERIAL NUMBER: N/A
10. FLOW DIAGRAM DESIGNATION(S) OF EMISSION SOURCE: N/A		
11. IDENTITY(S) OF ANY SIMILAR SOURCE(S) AT THE PLANT OR PREMISES NOT COVERED BY THE FORM (IF THE SOURCE IS COVERED BY ANOTHER APPLICATION, IDENTIFY THE APPLICATION):		
12. AVERAGE OPERATING TIME OF EMISSION SOURCE: ___8___ HRS/DAY    5 DAYS/WK    16 WKS/YR	13. MAXIMUM OPERATING TIME OF EMISSION SOURCE: ___8___ HRS/DAY    ___5___ DAYS/WK    ___20___ WKS/YR	
14. PERCENT OF ANNUAL THROUGHPUT: DEC-FEB _____ %    MAR-MAY ___20___ %    JUN-AUG ___50___ %    SEPT-NOV ___30___ %		

INSTRUCTIONS
1. COMPLETE THE ABOVE IDENTIFICATION AND GENERAL INFORMATION SECTION.
2. COMPLETE THE RAW MATERIAL, PRODUCT, WASTE MATERIAL, AND FUEL USAGE SECTIONS FOR THE PARTICULAR SOURCE EQUIPMENT. COMPOSITIONS OF MATERIALS MUST BE SUFFICIENTLY DETAILED TO ALLOW DETERMINATION OF THE NATURE AND QUANTITY OF POTENTIAL EMISSIONS. IN PARTICULAR, THE COMPOSITION OF PAINTS, INKS, ETC., AND ANY SOLVENTS MUST BE FULLY DETAILED.
3. EMISSION AND EXHAUST POINT INFORMATION MUST BE COMPLETED, UNLESS EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.
4. OPERATION TIME AND CERTAIN OTHER ITEMS REQUIRE BOTH AVERAGE AND MAXIMUM VALUES
5. FOR GENERAL INFORMATION REFER TO "GENERAL INSTRUCTIONS FOR PERMIT APPLICATIONS," APC-201.

DEFINITIONS
<b>AVERAGE - THE VALUE THAT SUMMARIZES OR REPRESENTS THE GENERAL CONDITION OF THE EMISSION SOURCE, OR THE GENERAL STATE OF PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:</b> AVERAGE OPERATING TIME - ACTUAL TOTAL HOURS OF OPERATION FOR THE PRECEDING TWELVE MONTH PERIOD. AVERAGE RATE - ACTUAL TOTAL QUANTITY OF "MATERIAL" FOR THE PRECEDING TWELVE MONTH PERIOD, DIVIDED BY THE AVERAGE OPERATING TIME. AVERAGE OPERATION - OPERATION TYPICAL OF THE PRECEDING TWELVE MONTH PERIOD, AS REPRESENTED BY AVERAGE OPERATING TIME AND AVERAGE RATES.
<b>MAXIMUM - THE GREATEST VALUE ATTAINABLE OR ATTAINED FOR THE EMISSION SOURCE, OR THE PERIOD OF GREATEST OR UTMOST PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:</b> MAXIMUM OPERATING TIME - GREATEST EXPECTED TOTAL HOURS OF OPERATIONS FOR ANY TWELVE MONTH PERIOD. MAXIMUM RATE - GREATEST QUANTITY OF "MATERIAL" EXPECTED PER ANY ONE HOUR OF OPERATION. MAXIMUM OPERATION - GREATEST EXPECTED OPERATION, AS REPRESENTED BY MAXIMUM OPERATING TIME AND MAXIMUM RATES.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

RAW MATERIAL INFORMATION		
NAME OF RAW MATERIAL	AVERAGE RATE PER IDENTICAL SOURCE	MAXIMUM RATE PER IDENTICAL SOURCE
20a. Not applicable	b. LB/HR	c. LB/HR
21a.	b. LB/HR	c. LB/HR
22a.	b. LB/HR	c. LB/HR
23a.	b. LB/HR	c. LB/HR
24a.	b. LB/HR	c. LB/HR

PRODUCT INFORMATION		
NAME OF PRODUCT	AVERAGE RATE PER IDENTICAL SOURCE	MAXIMUM RATE PER IDENTICAL SOURCE
30a. Asphalt concrete	b. LB/HR	c. 800000 LB/HR
31a.	b. LB/HR	c. LB/HR
32a.	b. LB/HR	c. LB/HR
33a.	b. LB/HR	c. LB/HR
34a.	b. LB/HR	c. LB/HR

WASTE MATERIAL INFORMATION		
NAME OF WASTE MATERIAL	AVERAGE RATE PER IDENTICAL SOURCE	MAXIMUM RATE PER IDENTICAL SOURCE
40a. Not applicable	b. LB/HR	c. LB/HR
41a.	b. LB/HR	c. LB/HR
42a.	b. LB/HR	c. LB/HR
43a.	b. LB/HR	c. LB/HR
44a.	b. LB/HR	c. LB/HR

*FUEL USAGE INFORMATION		
FUEL USED	TYPE	HEAT CONTENT
50a. NATURAL GAS <input checked="" type="checkbox"/>	b. -----	c. 1000 BTU/SCF
OTHER GAS <input type="checkbox"/>		BTU/SCF
OIL <input checked="" type="checkbox"/>	No 2 Fuel Oil & Waste Oil (No. 3 Special)	138000 BTU/GAL
COAL <input type="checkbox"/>		BTU/LB
OTHER <input type="checkbox"/>		BTU/LB
d. AVERAGE FIRING RATE PER IDENTICAL SOURCE: 130,000,000 BTU/HR		e. MAXIMUM FIRING RATE PER IDENTICAL SOURCE: 130,000,000 BTU/HR

\*THIS SECTION IS TO BE COMPLETED FOR ANY FUEL USED DIRECTLY IN THE PROCESS EMISSION SOURCE, E. G. GAS IN A DRYER, OR COAL IN A MELT FURNACE.

## \*EMISSION INFORMATION

51. NUMBER OF IDENTICAL SOURCES (DESCRIBE AS REQUIRED): See Table 2 in support document.

## AVERAGE OPERATION

CONTAMINANT	CONCENTRATION OR EMISSION RATE PER IDENTICAL SOURCE		METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE		
PARTICULATE MATTER	52a.	GR/SCF	b.	LB/HR	c.
CARBON MONOXIDE	53a.	PPM (VOL)	b.	LB/HR	c.
NITROGEN OXIDES	54a.	PPM (VOL)	b.	LB/HR	c.
ORGANIC MATERIAL	55a.	PPM (VOL)	b.	LB/HR	c.
SULFUR DIOXIDE	56a.	PPM (VOL)	b.	LB/HR	c.
**OTHER (SPECIFY)	57a.	PPM (VOL)	b.	LB/HR	c.

## MAXIMUM OPERATION

CONTAMINANT	CONCENTRATION OR EMISSION RATE PER IDENTICAL SOURCE		METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE		
PARTICULATE MATTER	58a.	See Table 2 GR/SCF	b.	See Table 2 LB/HR	c.
CARBON MONOXIDE	59a.	See Table 2 PPM (VOL)	b.	See Table 2 LB/HR	c.
NITROGEN OXIDES	60a.	See Table 2 PPM (VOL)	b.	See Table 2 LB/HR	c.
ORGANIC MATERIAL	61a.	See Table 2 PPM (VOL)	b.	See Table 2 LB/HR	c.
SULFUR DIOXIDE	62a.	See Table 2 PPM (VOL)	b.	See Table 2 LB/HR	c.
**OTHER (SPECIFY)	63a.	See Table 2 PPM (VOL)	b.	See Table 2 LB/HR	c.

\*ITEMS 52 THROUGH 63 NEED NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.

\*\*\*"OTHER" CONTAMINANT SHOULD BE USED FOR AN AIR CONTAMINANT NOT SPECIFICALLY NAMED ABOVE. POSSIBLE OTHER CONTAMINANTS ARE ASBESTOS, BERYLLIUM, MERCURY, VINYL CHLORIDE, LEAD, ETC.

## \*\*\*EXHAUST POINT INFORMATION

64. FLOW DIAGRAM DESIGNATION(S) OF EXHAUST POINT: N/A	
65. DESCRIPTION OF EXHAUST POINT (LOCATION IN RELATION TO BUILDINGS, DIRECTION, HOODING, ETC.): N/A	
66. EXIT HEIGHT ABOVE GRADE: N/A	67. EXIT DIAMETER: N/A
68. GREATEST HEIGHT OF NEARBY BUILDINGS: N/A	69. EXIT DISTANCE FROM NEAREST PLANT BOUNDARY: N/A
AVERAGE OPERATION	
MAXIMUM OPERATION	
70. EXIT GAS TEMPERATURE: N/A °F	72. EXIT GAS TEMPERATURE: N/A °F
71. GAS FLOW RATE THROUGH EACH EXIT: N/A ACFM	73. GAS FLOW RATE THROUGH EACH EXIT: N/A ACFM

\*\*\*THIS SECTION SHOULD NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.

STATE OF ILLINOIS  
 ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF AIR POLLUTION CONTROL  
 1021 NORTH GRAND AVENUE, EAST  
 SPRINGFIELD, ILLINOIS 62702

Page \_\_\_\_\_ of \_\_\_\_\_

<p><b>* DATA AND INFORMATION</b></p> <p><b>AIR POLLUTION CONTROL EQUIPMENT</b></p>	
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\* THIS INFORMATION FORM IS TO BE COMPLETED FOR AN EMISSION SOURCE OTHER THAN A FUEL COMBUSTION EMISSION SOURCE OR AN INCINERATOR. A FUEL COMBUSTION EMISSION SOURCE IS A FURNACE, BOILER, OR SIMILAR EQUIPMENT USED PRIMARILY FOR PRODUCING HEAT OR POWER BY INDIRECT HEAT TRANSFER. AN INCINERATOR IS AN APPARATUS IN WHICH REFUSE IS BURNED.

1. NAME OF OWNER: Rock Road Companies, Inc.	2. NAME OF CORPORATE DIVISION OR PLANT (IF DIFFERENT FROM OWNER): Beale Court Asphalt Plant
3. STREET ADDRESS OF CONTROL EQUIPMENT: 801 Beale Court	4. CITY OF CONTROL EQUIPMENT Rockford
5. NAME OF CONTROL EQUIPMENT OR CONTROL SYSTEM: Request to amend existing operating permit for use of alternative fuels. Baghouse is an existing permitted control device	

INSTRUCTIONS
<ol style="list-style-type: none"> <li>1. COMPLETE THE ABOVE IDENTIFICATION SECTION.</li> <li>2. COMPLETE THE APPROPRIATE SECTION FOR THE UNIT OF CONTROL EQUIPMENT, OR THE APPROPRIATE SECTIONS FOR THE CONTROL SYSTEM. BE CERTAIN THAT THE ARRANGEMENT OF VARIOUS UNITS IN A CONTROL SYSTEM IS MADE CLEAR IN THE PROCESS FLOW DIAGRAM.</li> <li>3. COMPLETE PAGE 6 OF THIS FORM, EMISSION INFORMATION AND EXHAUST POINT INFORMATION.</li> <li>4. EFFICIENCY VALUES SHOULD BE SUPPORTED WITH A DETAILED EXPLANATION OF THE METHOD OF CALCULATION, THE MANNER OF ESTIMATION, OR THE SOURCE OF INFORMATION. REFERENCE TO THIS FORM ANY RELEVANT INFORMATION OR EXPLANATION INCLUDED IN THIS PERMIT APPLICATION.</li> <li>5. EFFICIENCY VALUES AND CERTAIN OTHER ITEMS OF INFORMATION ARE TO BE GIVEN FOR AVERAGE AND MAXIMUM OPERATION OR THE SOURCE EQUIPMENT. FOR EXAMPLE, "MAXIMUM EFFICIENCY" IS THE EFFICIENCY OF THE CONTROL EQUIPMENT WHEN THE SOURCE IS AT MAXIMUM OPERATION, AND "AVERAGE FLOW RATE" IS THE FLOW RATE INTO THE CONTROL EQUIPMENT WHEN THE SOURCE IS AT AVERAGE OPERATION.</li> <li>6. FOR GENERAL INFORMATION REFER TO "GENERAL INSTRUCTIONS FOR PERMIT APPLICATIONS," APC-201.</li> </ol>

DEFINITIONS
<p>AVERAGE - THE VALUE THAT <u>SUMMARIZES OR REPRESENTS THE GENERAL CONDITION OF THE EMISSION SOURCE</u>, OR THE GENERAL STATE OF PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:          AVERAGE OPERATION - OPERATION TYPICAL OF THE PRECEDING TWELVE MONTH PERIOD, AS REPRESENTED BY AVERAGE OPERATING TIME AND AVERAGE RATES.</p> <p>MAXIMUM - THE GREATEST VALUE <u>ATTAINABLE OR ATTAINED FOR THE EMISSION SOURCE</u>, OR THE PERIOD OF GREATEST OR UTMOST PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:          MAXIMUM OPERATION - GREATEST EXPECTED OPERATION, AS REPRESENTED BY MAXIMUM OPERATING TIME AND MAXIMUM RATES.</p>

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

ADSORPTION UNIT	
1. FLOW DIAGRAM DESIGNATION(S) OF ADSORPTION UNIT: N/A	
2. MANUFACTURER:	3. MODEL NAME AND NUMBER:
4. ADSORBENT: <input type="checkbox"/> ACTIVATED CHARCOAL: TYPE _____ <input type="checkbox"/> OTHER: SPECIFY _____	
5. ADSORBATE(S):	
6. NUMBER OF BEDS PER UNIT:	7. WEIGHT OF ADSORBENT PER BED: _____ LB
8. DIMENSIONS OF BED: THICKNESS _____ IN, SURFACE AREA _____ SQUARE IN	
9. INLET GAS TEMPERATURE: _____ °F	9. PRESSURE DROP ACROSS UNIT: _____ INCH H <sub>2</sub> O GAUGE
11. TYPE OF REGENERATION: <input type="checkbox"/> REPLACEMENT <input type="checkbox"/> STEAM <input type="checkbox"/> OTHER: SPECIFY _____	
12. METHOD OF REGENERATION: <input type="checkbox"/> ALTERNATE USE OF _____ ENTIRE UNITS <input type="checkbox"/> ALTERNATE USE OF _____ BEDS IN A SINGLE UNIT <input type="checkbox"/> SOURCE SHUT DOWN <input type="checkbox"/> OTHER: DESCRIBE _____	
AVERAGE OPERATION OF SOURCE	
MAXIMUM OPERATION OF SOURCE	
13. TIME ON LINE BEFORE REGENERATION: _____ MIN/BED	15. TIME ON LINE BEFORE REGENERATION: _____ MIN/BED
14. EFFICIENCY OF ABSORBER (SEE INSTRUCTION 4): _____ %	16. EFFICIENCY OF ABSORBER (SEE INSTRUCTION 4): _____ %

AFTERBURNER	
1. FLOW DIAGRAM DESIGNATION(S) OF AFTERBURNER: N/A	
2. MANUFACTURER:	3. MODEL NAME AND NUMBER:
4. COMBUSTION CHAMBER DIMENSIONS: LENGTH _____ IN, CROSS-SECTIONAL AREA _____ SQUARE IN	
5. INLET GAS TEMPERATURE: _____ °F	7. FUEL: <input type="checkbox"/> GAS <input type="checkbox"/> OIL: SULFUR _____ WT%
6. OPERATING TEMPERATURE OF COMBUSTION CHAMBER: _____ °F	8. BURNERS PER AFTERBURNER: _____ @ _____ BTU/HR EACH
9. CATALYST USED: <input type="checkbox"/> NO <input type="checkbox"/> YES: DESCRIBE CATALYST _____	
10. HEAT EXCHANGER USED: <input type="checkbox"/> NO <input type="checkbox"/> YES: DESCRIBE HEAT EXCHANGER _____	
AVERAGE OPERATION OF SOURCE	
MAXIMUM OPERATION OF SOURCE	
11. GAS FLOW RATE: _____ SCFM	13. GAS FLOW RATE: _____ SCFM
12. EFFICIENCY OF AFTERBURNER (SEE INSTRUCTION 4): _____ %	14. EFFICIENCY OF AFTERBURNER (SEE INSTRUCTION 4): _____ %

CYCLONE

1. FLOW DIAGRAM DESIGNATION(S) OF CYCLONE: N/A

2. MANUFACTURER:

3. MODEL:

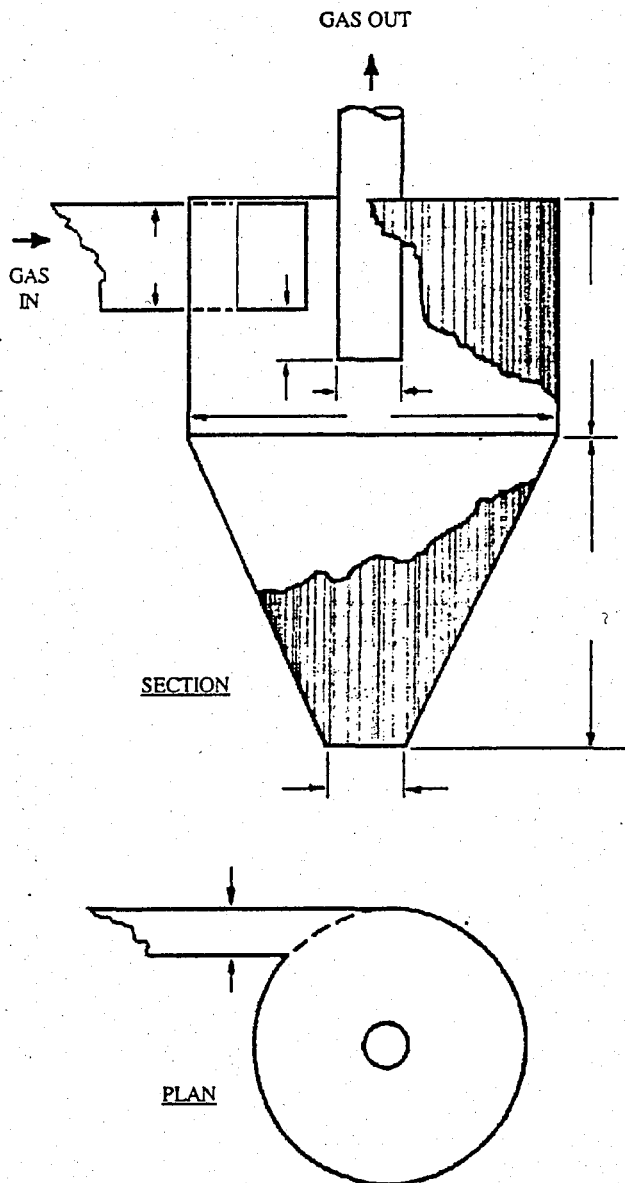
4. TYPE OF CYCLONE:

SIMPLE  MULTIPLE

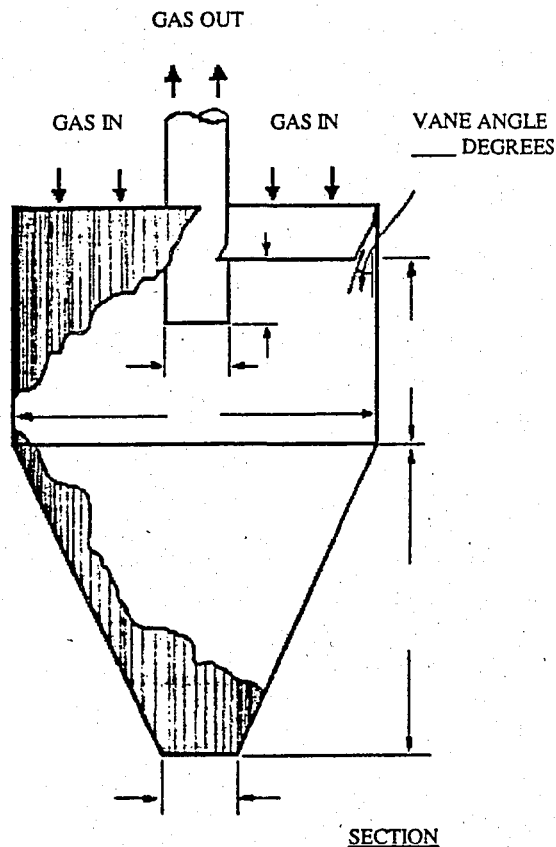
5. NUMBER OF CYCLONES IN EACH MULTIPLE CYCLONE:

6. DIMENSION THE APPROPRIATE SKETCH (IN INCHES) OR PROVIDE A DRAWING WITH EQUIVALENT INFORMATION:

TANGENTIAL INLET CYCLONE



AXIAL INLET CYCLONE  
(INDIVIDUAL CYCLONE OF MULTIPLE CYCLONE)



NOT TO SCALE

AVERAGE OPERATION OF SOURCE

MAXIMUM OPERATION OF SOURCE

7. GAS FLOW RATE:

SCFM

9. GAS FLOW RATE:

SCFM

8. EFFICIENCY OF CYCLONE (SEE INSTRUCTION 4):

%

10. EFFICIENCY OF CYCLONE (SEE INSTRUCTION 4):

%



## CONDENSER

1. FLOW DIAGRAM DESIGNATION(S) OF CONDENSER: N/A			
2. MANUFACTURER:		3. MODEL NAME AND NUMBER:	
		4. HEAT EXCHANGE AREA: FT <sup>2</sup>	
AVERAGE OPERATION OF SOURCE		MAXIMUM OPERATION OF SOURCE	
5. COOLANT FLOW RATE PER CONDENSER: WATER _____ GPM AIR _____ SCFM OTHER: TYPE _____, FLOW RATE _____		10. COOLANT FLOW RATE PER CONDENSER: WATER _____ GPM AIR _____ SCFM OTHER: TYPE _____, FLOW RATE _____	
6. GAS FLOW RATE: SCFM		11. GAS FLOW RATE: SCFM	
7. COOLANT TEMPERATURE: INLET _____ °F OUTLET _____ °F		12. COOLANT TEMPERATURE: INLET _____ °F OUTLET _____ °F	
8. GAS TEMPERATURE: INLET _____ °F OUTLET _____ °F		13. GAS TEMPERATURE: INLET _____ °F OUTLET _____ °F	
9. EFFICIENCY OF CONDENSER (SEE INSTRUCTION 4): %		14. EFFICIENCY OF CONDENSER (SEE INSTRUCTION 4): %	

## \*ELECTRICAL PRECIPITATOR

1. FLOW DIAGRAM DESIGNATION(S) OF ELECTRICAL PRECIPITATOR: N/A			
2. MANUFACTURER:		3. MODEL NAME AND NUMBER:	
		4. COLLECTING ELECTRODE AREA PER CONTROL DEVICE: FT <sup>2</sup>	
AVERAGE OPERATION OF SOURCE		MAXIMUM OPERATION OF SOURCE	
5. GAS FLOW RATE: SCFM		7. GAS FLOW RATE: SCFM	
6. EFFICIENCY OF ELECTRICAL PRECIPITATOR(SEE INSTRUCTION 4): %		8. EFFICIENCY OF ELECTRICAL PRECIPITATOR(SEE INSTRUCTION 4): %	
SUBMIT THE MANUFACTURER'S SPECIFICATIONS FOR THE ELECTRICAL PRECIPITATOR. REFERENCE THE INFORMATION TO THIS FORM.			

\*ELECTRICAL PRECIPITATORS VARY GREATLY IN THEIR DESIGN AND IN THEIR COMPLEXITY. THE ITEMS IN THIS SECTION PROVIDE A MINIMUM AMOUNT OF INFORMATION. THE APPLICANT MUST, HOWEVER, SUBMIT WITH THIS APPLICATION THE MANUFACTURER'S SPECIFICATIONS, INCLUDING ANY DRAWINGS, TECHNICAL DOCUMENTS, ETC. IF THE INFORMATION PROVIDED BY THE MANUFACTURER'S SPECIFICATIONS IS INSUFFICIENT FOR FULL AND ACCURATE ANALYSIS, THE AGENCY WILL REQUEST SPECIFIC ADDITIONAL INFORMATION.

## FILTER UNIT

1. FLOW DIAGRAM DESIGNATION(S) OF FILTER UNIT: N/A			
2. MANUFACTURER:		3. MODEL NAME AND NUMBER:	
4. FILTERING MATERIAL:		5. FILTERING AREA: FT <sup>2</sup>	
6. CLEANING METHOD: <input type="checkbox"/> SHAKER <input type="checkbox"/> REVERSE AIR <input type="checkbox"/> PULSE AIR <input type="checkbox"/> PULSE JET <input type="checkbox"/> OTHER: SPECIFY _____			
7. GAS COOLING METHOD: <input type="checkbox"/> DUCT WORK: LENGTH _____ FT., DIAM _____ IN. <input type="checkbox"/> BLEED-IN AIR <input type="checkbox"/> WATER SPRAY <input type="checkbox"/> OTHER: SPECIFY _____			
AVERAGE OPERATION OF SOURCE		MAXIMUM OPERATION OF SOURCE	
8. GAS FLOW RATE (FROM SOURCE): Not applicable SCFM		12. GAS FLOW RATE (FROM SOURCE): Not applicable SCFM	
9. GAS COOLING FLOW RATE: BLEED-IN AIR _____ SCFM, WATER SPRAY _____ GPM		13. GAS COOLING FLOW RATE: BLEED-IN AIR _____ SCFM, WATER SPRAY _____ GPM	
10. INLET GAS CONDITION: TEMPERATURE _____ °F DEWPOINT _____ °F		14. INLET GAS CONDITION: TEMPERATURE _____ °F DEWPOINT _____ °F	
11. EFFICIENCY OF FILTER UNIT (SEE INSTRUCTION 4): %		15. EFFICIENCY OF FILTER UNIT (SEE INSTRUCTION 4): %	

SCRUBBER

1. FLOW DIAGRAM DESIGNATION(S) OF SCRUBBER: N/A	
2. MANUFACTURER:	3. MODEL NAME AND NUMBER:
4. TYPE OF SCRUBBER: <input type="checkbox"/> HIGH ENERGY: GAS STEAM PRESSURE DROP _____ INCH H <sub>2</sub> O <input type="checkbox"/> PACKED: PACKING TYPE _____, PACKING SIZE _____, PACKING HEIGHT _____ IN. <input type="checkbox"/> SPRAY: NUMBER OF NOZZLES _____, NOZZLE PRESSURE _____ PSIG <input type="checkbox"/> OTHER: SPECIFY _____ ATTACH DESCRIPTION AND SKETCH WITH DIMENSIONS	
5. TYPE OF FLOW: <input type="checkbox"/> COCURRENT <input type="checkbox"/> COUNTERCURRENT <input type="checkbox"/> CROSSFLOW	
6. SCRUBBER GEOMETRY: LENGTH IN DIRECTION OF GAS FLOW _____ IN., CROSS-SECTIONAL AREA _____ SQUARE IN.	
7. CHEMICAL COMPOSITION OF SCRUBBANT:	
AVERAGE OPERATION OF SOURCE	MAXIMUM OPERATION OF SOURCE
8. SCRUBBANT FLOW RATE: _____ GPM	12. SCRUBBANT FLOW RATE: _____ GPM
9. GAS FLOW RATE: _____ SCFM	13. GAS FLOW RATE: _____ SCFM
10. INLET GAS TEMPERATURE: _____ °F	14. INLET GAS TEMPERATURE: _____ °F
11. EFFICIENCY OF SCRUBBER (SEE INSTRUCTION 4): _____ % PARTICULATE _____ % GASEOUS	15. EFFICIENCY OF SCRUBBER (SEE INSTRUCTION 4): _____ % PARTICULATE _____ % GASEOUS

OTHER TYPE OF CONTROL EQUIPMENT

1. FLOW DIAGRAM DESIGNATION(S) OF "OTHER TYPE" OF CONTROL EQUIPMENT: N/A		
2. GENERIC NAME OF "OTHER" EQUIPMENT:	3. MANUFACTURER:	4. MODEL NAME AND NUMBER:
5. DESCRIPTION AND SKETCH, WITH DIMENSIONS AND FLOW RATES, OF "OTHER" EQUIPMENT:		
AVERAGE OPERATION OF SOURCE	MAXIMUM OPERATION OF SOURCE	
6. FLOW RATES: _____ GPM _____ SCFM	8. FLOW RATES: _____ GPM _____ SCFM	
7. EFFICIENCY OF "OTHER" EQUIPMENT (SEE INSTRUCTION 4): _____ %	9. EFFICIENCY OF "OTHER" EQUIPMENT (SEE INSTRUCTION 4): _____ %	

EMISSION INFORMATION						
1. NUMBER OF IDENTICAL CONTROL UNITS OR CONTROL SYSTEMS (DESCRIBE AS REQUIRED): 1						
AVERAGE OPERATION						
CONTAMINANT	CONCENTRATION OR EMISSION RATE PER IDENTICAL CONTROL UNITS OR CONTROL SYSTEM				METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE	
PARTICULATE MATTER	2a.	N/A	GR/SCF	b.	N/A LB/HR	c.
CARBON MONOXIDE	3a.	N/A	PPM (VOL)	b.	N/A LB/HR	c.
NITROGEN OXIDES	4a.	N/A	PPM (VOL)	b.	N/A LB/HR	c.
ORGANIC MATERIAL	5a.	N/A	PPM (VOL)	b.	N/A LB/HR	c.
SULFUR DIOXIDE	6a.	N/A	PPM (VOL)	b.	N/A LB/HR	c.
**OTHER (SPECIFY)	7a.	N/A	PPM (VOL)	b.	N/A LB/HR	c.
MAXIMUM OPERATION						
CONTAMINANT	CONCENTRATION OR EMISSION RATE PER IDENTICAL CONTROL UNITS OR CONTROL SYSTEM				METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE	
PARTICULATE MATTER	8a.	See Table 2	GR/SCF	b.	See Table 2 LB/HR	c.
CARBON MONOXIDE	9a.	See Table 2	PPM (VOL)	b.	See Table 2 LB/HR	c.
NITROGEN OXIDES	10a.	See Table 2	PPM (VOL)	b.	See Table 2 LB/HR	c.
ORGANIC MATERIAL	11a.	See Table 2	PPM (VOL)	b.	See Table 2 LB/HR	c.
SULFUR DIOXIDE	12a.	See Table 2	PPM (VOL)	b.	See Table 2 LB/HR	c.
**OTHER (SPECIFY)	13a.	See Table 2	PPM (VOL)	b.	See Table 2 LB/HR	c.

\*\*\*"OTHER" CONTAMINANT SHOULD BE USED FOR AN AIR CONTAMINANT NOT SPECIFICALLY NAMED ABOVE. POSSIBLE OTHER CONTAMINANTS ARE ASBESTOS, BERYLLIUM, MERCURY, VINYL CHLORIDE, LEAD, ETC.

EXHAUST POINT INFORMATION	
1. FLOW DIAGRAM DESIGNATION(S) OF EXHAUST POINT: N/A	
2. DESCRIPTION OF EXHAUST POINT (LOCATION IN RELATION TO BUILDINGS, DIRECTION, HOODING, ETC.): N/A	
3. EXIT HEIGHT ABOVE GRADE: N/A	4. EXIT DIAMETER: N/A
5. GREATEST HEIGHT OF NEARBY BUILDINGS: N/A	6. EXIT DISTANCE FROM NEAREST PLANT BOUNDARY: N/A
AVERAGE OPERATION	MAXIMUM OPERATION
7. EXIT GAS TEMPERATURE: N/A °F	9. EXIT GAS TEMPERATURE: N/A °F
8. GAS FLOW RATE THROUGH EACH EXIT: N/A ACFM	10. GAS FLOW RATE THROUGH EACH EXIT: N/A ACFM

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## APPENDIX A

Federally Enforceable State Operating Permit – NSPS Source

## APPENDIX B

IEPA Air Pollution Control Permit Application Forms

## LIST OF TABLES

Table 1	Air Pollutant Emission Limits for an Oil-Fired Drum-Mix Asphalt Plant
Table 2	Potential Emissions for a Drum Mix Asphalt Plant Firing No. 2 Fuel Oil or Waste Oil
Table 3	Potential Hazardous Air Pollutant (HAP) Emissions for a Drum Mix Asphalt Plant Firing No. 2 Fuel Oil or Waste Oil

## **1.0 INTRODUCTION**

Rock Road Companies, Inc. (Rock Road) owns and operates an asphalt manufacturing plant located at 801 Beale Court in Rockford, Illinois. The Beale Court asphalt plant is a drum-mix plant. The plant manufactures asphalt for road construction projects and operates approximately six to seven months per year.

Because it is a stationary source of regulated air pollutants, the Beale Court asphalt plant is permitted to operate under a federally enforceable state operating permit (FESOP). The Illinois Environmental Protection Agency (IEPA) issued the FESOP for the plant on November 6, 2000. The plant's Site I.D. No. is 201808ABG. The FESOP application number is 72110724. (See Appendix A for a copy of the plant's FESOP.)

Under the FESOP, the plant's natural gas-fired drum-mix plant is permitted to combust only natural gas. Rock Road requests an amendment to the plant's FESOP allowing the plant to burn either No. 2 Fuel Oil or waste oil (also known as No. 3 Special or used oil) to increase operational flexibility and reduce costs. In addition, Rock Road is permitted to operate a fuel-oil fired drum-mix asphalt plant at the Beale Court site. No fuel-oil fired plant is currently located at the site, and Rock Road requests that all references to this plant and associated permit conditions be withdrawn from the FESOP.

This document, prepared by URS Corporation (URS) for Rock Road, constitutes a request to amend the Beale Court plant's existing FESOP. The information contained in this document is intended to demonstrate that the proposed permit changes comply with applicable state and federal air pollution control regulations.

### **1.1 APPLICATION CONTENT**

Included in this air permit application is the following information:

- Proposed amendments to the asphalt plant FESOP based on proposed changes in fuel usage and production capacity (Section 2.2);
- Potential emissions of regulated air pollutants resulting from the proposed changes to the FESOP (Sections 2.2);

- A discussion of the applicable federal and State of Illinois air quality rules and regulations that may pertain to the plant (Section 3.0); and
- Completed application forms with the proposed changes are provided in Appendix B.

## 2.0 EXISTING FESOP AND PROPOSED AMENDMENTS

This section discusses the existing FESOP's permit conditions and proposed amendments to those conditions.

### 2.1 EXISTING CONDITIONS AND EMISSION LIMITS

Condition 6b of the FESOP for the Beale Court asphalt plant limits asphalt production and emissions from the natural gas-fired drum-mix plant. Asphalt production is limited to 125,000 tons per month and 300,000 tons per year with natural gas as the only fuel fired in the drum mix dryer (see Appendix A for a copy of the permit). Regulated air pollutants are subject to the emission limits shown in Table 1. The limits are based on older AP-42 emission factors (see Appendix A).

**Table 1**  
**Air Pollutant Emission Limits**  
**Natural Gas-Fired Drum-Mix Asphalt Plant**  
**801 Beale Court**  
**Rock Road Companies, Inc.**  
**Rockford, Illinois**

Air Pollutant	Monthly Emissions (lb/mo)	Annual Emissions (tons/year)
Total Suspended Particulates (TSP)	2,250	2.7
Carbon Monoxide (CO)	7,000	8.4
Nitrogen Oxides (NO <sub>x</sub> )	3,750	4.5
Sulfur Dioxide (SO <sub>2</sub> )	413	0.5
Volatile Organic Material (VOM)	3,750	4.5

Condition 6a and 6c of the Beale Court FESOP limit asphalt production and emissions from the oil-fired drum-mix plant. No fuel-oil fired plant is currently located at the Beale Court location.

### 2.2 REQUESTED CHANGES

This section presents proposed amendments to Conditions 6b and 6c.

#### 2.2.1 Condition 6b

Rock Road requests the following amendments to Conditions 6a and 6b:

- Modify permit conditions 6a and 6b to allow drum-mix dryer to burn No. 2 fuel oil, waste oil (also known as No. 3 Special Oil) with a maximum fuel sulfur content of 1 percent by weight in addition to natural gas;
- Apply current AP-42 emission factors for regulated air pollutants.

Table 2 shows the effect of the proposed changes on potential emissions from the drum-mix dryer. In the existing FESOP, the emission limits had been based on outdated AP-42 emission factors for PM/PM<sub>10</sub> and CO. These are revised for the updated emission estimates, as shown in Table 2.

The proposed use of waste oil or No. 2 fuel oil will result in modest increases in emissions of NO<sub>x</sub> and SO<sub>2</sub>. In a "worst case" emission scenario, firing waste oil would increase SO<sub>2</sub> emissions by just over 8 tons per year over firing with natural gas; emissions of NO<sub>x</sub> would increase by 4.4 tons per year. No increase in PM/PM<sub>10</sub> or other criteria pollutant emissions is expected, however. In a drum-mix asphalt dryer, burning waste oil over natural gas should produce no significant increase in the emission rates of PM/PM<sub>10</sub>, CO, or VOC. Further, the Beale Court plant's emissions of regulated criteria pollutants will remain well under the applicable Prevention of Significant Deterioration (PSD) major source threshold of 250 tons per year.

To avoid triggering the requirement for obtaining a Clean Air Act Program Permit (CAAPP) and Section 112 (g) of the Clean Air Act, the proposed changes in fuel use must not result in emissions of hazardous air pollutants (HAPs) that would exceed 10 tons per year for any single HAP or 25 tons per year for all HAPs combined. As Table 3 shows, HAP emissions from the proposed use of waste oil or No. 2 fuel oil will be below the major source thresholds.

### 2.2.2 Conditions 6a and 6c

Rock Road does not operate a fuel oil-fired dryer at 801 Beale Court. Rock Road therefore requests elimination of Condition 6c from the FESOP as well as all references to the fuel-oil fired plant in Condition 6a.



### 3.0 REGULATORY REQUIREMENTS

This section discusses the pertinent federal, state, and local air pollution control regulations that may be applicable to the proposed source. These types of regulations typically include:

- Requirements to obtain a construction permit prior to commencing construction or modification;
- Control technology evaluations;
- Air quality impact assessments;
- Emission limitations;
- Monitoring and testing requirements; and
- Recordkeeping and reporting requirements.

This section also discusses how Rock Road's asphalt plant will comply with all applicable regulations.

#### 3.1 FEDERAL REQUIREMENTS

The United States Environmental Protection Agency (USEPA) has developed regulations that are designed to control air pollution. These regulations include permitting requirements for new or modified major stationary sources located in non-attainment and attainment areas, as well as standards of performance for certain types of new sources. The requirements for major sources located in attainment areas are called Prevention of Significant Deterioration (PSD) and are contained in 40 CFR 52.21.

##### 3.1.1 PSD Regulations

The PSD regulations, amended by the USEPA on August 7, 1980 (45 FR 52675), specify that any major new stationary source or major expansion project to an existing major source within an air quality attainment area must undergo PSD review. For new sources, the regulations apply to the following:

1. Any source type in any of 28 designated industrial source categories having potential emissions of 100 tons per year or more; or

2. Any other source having potential emissions of 250 tons per year or more of any pollutant regulated under the Clean Air Act.

Potential emissions are defined as the emissions of any pollutant at maximum design capacity, including the control efficiency of air pollution control equipment.

PSD review consists of the following:

- A case-by-case Best Available Control Technology (BACT) demonstration, taking into account energy, environmental, and economic impacts as well as technical feasibility;
- An ambient air quality impact analysis to determine whether the allowable emissions from the proposed project would cause or contribute to a violation of the applicable PSD increments and National Ambient Air Quality Standards (NAAQS);
- An assessment of the direct and indirect effects of the proposed project on general growth, soil, vegetation, and visibility;
- Public comment, including an opportunity for a public hearing; and
- Possibly an ambient air quality monitoring program for up to one year.

The Beale Court asphalt plant is located in an area designated as attainment or unclassifiable, or better than the national standards for all criteria pollutants. Based on the estimated emission rates associated with the proposed modification of the plant (see Table 2 for criteria pollutant emission estimates), emissions would not exceed the PSD major source applicability threshold of 250 tons per year for any regulated criteria pollutants.

### 3.1.2 New Source Performance Standards (NSPS)

The New Source Performance Standards (NSPS) were developed by USEPA for specific source categories. These standards are codified in the Code of Federal Regulations (CFR) under Part 60 (40 CFR 60). Subpart I of the NSPS is entitled Standards of Performance for Hot Mix Asphalt Facilities.

Under 40 CFR 60.90, Subpart I applies to hot mix asphalt facilities that began construction after June 11, 1973 and that combine the following: “dryers; systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading, transfer, and storage systems associated with emission control systems.” The provisions of 40 CFR 60.7(a)(4) apply to operational changes to an existing facility that may “increase the emission rate of an air pollutant to which a standard applies.” In a drum-mix asphalt plant, burning fuel oil or waste oil instead of natural gas produces no increase in the emission rate for particulate matter. In switching the fuel used in the drum-mix dryer from natural gas to fuel oil or waste oil, Rock Road makes no operational change that would increase the emission rate of an air pollutant to which an NSPS standard applies. Therefore, the proposed modification to the Beale Court plant will not be subject to Subpart I. However, in fulfillment of a Compliance Commitment Agreement (CCA) submitted in response to Violation Notice A-2003-00330, Rock Road will conduct a performance test within 90 days of initial startup to demonstrate compliance with the NSPS particulate matter standards of 40 CFR 60.92. In addition, Rock Road will conduct opacity observations concurrently with a performance test to demonstrate compliance with the NSPS standards.

### 3.1.3 Hazardous Air Pollutant Regulations

USEPA has developed National Emission Standards for Hazardous Air Pollutants (NESHAP) for numerous source categories. Asphalt manufacturing is not one of the source categories proposed or promulgated as of the date of this application.

On December 15, 1996, the USEPA promulgated the final regulations implementing Section 112(g). This section addresses new and reconstructed major sources of hazardous air pollutants (HAPs). A primary requirement of this section is that those sources apply Maximum Achievable Control Technology (MACT) for control of HAPs. Section 112(g) is intended to address those sources for which USEPA has not yet established an intended source category specific MACT standard. In this sense, Section 112(g) may be seen as the “case-by-case” MACT standard.

The Beale Court plant does not have the potential to emit individual HAPs in quantities greater than or equal to 10 tons per year or 25 tons per year in aggregate quantities (see Table 3 for potential emissions of HAPs). Thus, the plant should not trigger the requirements of 112(g).

### 3.1.4 Accidental Release Regulations

The USEPA's chemical accidental release prevention requirements are published in 40 CFR Part 68. These requirements cover risk management planning at facilities with more than a threshold quantity of a listed regulated substance in a single process. The rule lists 77 acutely toxic substances with threshold quantities ranging from 500 to 20,000 pounds, and also lists an additional 63 flammable gases and volatile liquids, each with a 10,000 pound threshold quantity. The Beale Court plant is not affected by this rule.

### 3.1.5 Title V Operating Permits

A source is required to apply for a Title V (Part 70) operating permit (also known in Illinois as the Clean Air Act Program Permit or CAAPP) if it is classified as a major stationary source. A major stationary source is defined as any source having the potential to emit greater than 100 tons per year of any criteria air pollutant. In addition, any source that has the potential to emit greater than 10 tons per year of a HAP or 25 tons per year as an aggregate would also be classified as a major source under the Title V program.

The Beale Court asphalt plant had the potential to emit greater than 100 tons per year of carbon monoxide (CO). To avoid the Title V operating permit requirements, Rock Road accepted a federally enforceable limit on asphalt production, thereby limiting potential emissions of CO to less than major source thresholds. IEPA issued a FESOP permit for the asphalt plant in 2000.

## *3.2 STATE REQUIREMENTS*

Standards and limitations are also contained in the Illinois rules and regulations. These are discussed below, along with any emission standards or limitations contained in these rules that may apply to emissions from the Beale Court asphalt plant.

### 3.2.1 Permits and General Provisions (35 IAC Part 201)

As discussed above, the Beale Court asphalt plant accepts federally enforceable limits on asphalt production to avoid classification as a major source subject to the CAAPP requirements.

### 3.2.2 Visible and Particulate Matter Emissions (35 IAC Part 212)

Under 35 IAC 212.123, Visible Emission Limitation for All Other Emission Units, no person shall cause or allow emission of smoke or other particulate matter with an opacity greater than 30% into the atmosphere. The Beale Court asphalt plant is equipped with a particulate collection system (i.e. baghouse). This system as well as good work practices will help achieve compliance with the visible emission limitation.

Under 35 IAC 212.201, Fugitive Particulate Matter – “no person shall cause or allow the emissions of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith or of a point beyond the property line of the source.” The Beale Court asphalt plant has implemented good work practices to comply with the fugitive particulate matter requirement.

Under 35 IAC 212.232, Emission Standards for Particulate Collection Equipment, if particulate collection equipment is operated, emissions from such equipment shall not exceed 0.03 gr/dscf. The Beale Court asphalt plant will operate a baghouse to control emissions of particulates and to comply with the emission limitations for particulate collection equipment.

### 3.2.3 Organic Material Emission Standards and Limitations (35 IAC Section 215)

The provisions in 35 IAC 215 do not apply to the Beale Court asphalt plant. Emissions from the Beale Court plant’s fuel oil storage tanks (20,000 gallons) and the asphalt storage tanks have negligible emissions.

### 3.2.4 Carbon Monoxide Emissions (35 IAC Section 216)

As stipulated in Section 216.121, Fuel Combustion Emission Sources, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 MMBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air. To comply with this rule, the Beale Court asphalt plant will combust only natural gas, waste oil, or No 2. fuel oil.

### 3.2.5 Nitrogen Oxide Emissions (35 IAC Section 217)

Fuel combustion sources with an actual heat input greater than or equal to 250 MMBtu/hr are regulated under 35 IAC 217.121. Rock Road does not propose to operate a fuel combustion unit greater than or equal to 250 MMBtu/hr. Therefore, this regulation does not apply to the Beale Court asphalt plant.

### 3.2.6 Annual Emission Report (35 IAC Section 254)

As required by 35 IAC 201.302 and 35 IAC Part 254, the Beale Court asphalt plant must submit annual emissions reports to IEPA summarizing the emissions from the plant for each calendar year period. This report will be due on May 1 of each year for the previous calendar year.

### 3.2.7 All Other Articles

The remaining parts listed below do not appear to contain any specific emission limitations or monitoring, recordkeeping or reporting requirements that would apply to the Beale Court asphalt plant:

- Part 202 – Alternative Control Strategies;
- Part 203 – Major Stationary Sources Construction and Modification
- Part 205 – Emission Reduction Market System
- Part 207 – Vehicle Scrappage Activities
- Part 218 – Organic Material Emission Standards and Limitations for the Chicago Area
- Part 219 – Organic Material Emission Standards and Limitations for the Metro East Area
- Part 220 – Nonmethane Organic Compounds
- Part 228 – Asbestos
- Part 229 – Hospital/Medical/Infectious Waste Incinerators
- Part 232 – Toxic Air Pollutants
- Part 237 – Open Burning
- Part 240 – Mobil Sources
- Part 243 – Air Quality Standards
- Part 244 – Episodes (Since the plant may be temporary, the requirement to prepare and Episode Action Plan may not apply)
- Part 251 – Procedures for Collection of Air Pollution Site Fees

- Part 252 – Public Participate in the Air Pollution Control Permit Program
- Part 255 – General Conformity: Criteria and Procedures
- Part 264 – Interpretation of Pollution Control Board Rules and Related Definitions Concerning Grain Handling and Grain Drying Operations
- Part 266 – Interpretation of the Definition of Process Weight Rate
- Part 271 – Information on Coal Contracts and Sampling Required in Permit Applications for Coal-Fired Dual Combustion Emission Sources
- Part 275 – Alternate Fuels Program
- Part 276 – Procedures to be Followed in the Performance of Annual Inspections of Motor Vehicle Exhaust Emissions
- Part 278 – Procedures for Measuring Transfer Efficiency for Surface Coating Operations in the Wood Furniture Coating Facilities
- Part 280 – Visible Emissions from Coke Oven Batteries- Procedures for Determining Compliance
- Part 283 – General Procedures for Emission Tests Averaging
- Part 291 – Rules for the Performance of Air Quality Impact Analysis to be Used in Support of Permit Applications

#### 4.0 PROPOSED PERMIT CONDITIONS

This section proposes permit conditions and emission limits for the Beale Court drum mix asphalt dryer. The emission limits are based on estimates of maximum emissions of regulated air pollutants firing either No 2. Fuel Oil or waste oil (No. 3 Special) with a maximum fuel sulfur content of 1 percent by weight (see Section 2.2). Rock Road requests that Condition 6b be revised to state that emission and operation of the asphalt plant shall not exceed the limits shown as follows:

Asphalt Production		Air Pollutant	Emissions	
(tons/mo)	(tons/year)		(tons/mo)	(tons/year)
125,000	300,000	NO <sub>x</sub>	3.4	8.3
		SO <sub>2</sub>	3.6	8.7
		CO	8.1	19.5
		PM/PM <sub>10</sub>	2.1	5.0
		VOM	2.0	4.8

Rock Road also requests the removal of Condition 6a(ii) and Condition 6c.

As stated in Section 3.1.2, Rock Road will conduct a performance test within 90 days of initial startup to demonstrate compliance with the NSPS particulate matter standards of 40 CFR 60.92. In addition, Rock Road will conduct opacity observations concurrently with a performance test to demonstrate compliance with the NSPS standards. These actions will be taken as part of a Compliance Commitment Agreement (CCA) submitted in response to Violation Notice A-2003-00330.



Table 2  
 Potential Emissions for a Drum Mix Asphalt Plant  
 Firing Natural Gas, No. 2 Fuel Oil, or Waste Oil  
 Beale Court Asphalt Plant (ID# 201888ABG)  
 Rock Road Companies, Inc.  
 Rockford, Illinois

Potential Emissions From the Asphalt Dryer															
Process/ Emission Source	PM/PM <sub>10</sub> Emission Factor <sup>(a)</sup> (lb/ton)	PM/PM <sub>10</sub> Monthly Emissions (tons/mo)	PM/PM <sub>10</sub> Annual Emissions (tons/year)	CO Emission Factor <sup>(b)</sup> (lb/ton)	CO Monthly Emissions (tons/mo)	CO Annual Emissions (tons/year)	NO <sub>x</sub> Emission Factor <sup>(b)</sup> (lb/ton)	NO <sub>x</sub> Monthly Emissions (tons/mo)	NO <sub>x</sub> Annual Emissions (tons/year)	SO <sub>2</sub> Emission Factor <sup>(b)</sup> (lb/ton)	SO <sub>2</sub> Monthly Emissions (tons/mo)	SO <sub>2</sub> Annual Emissions (tons/year)	VOM Emission Factor <sup>(c)</sup> (lb/ton)	VOM Monthly Emissions (tons/mo)	VOM Annual Emissions (tons/year)
Dryer Fired with Natural Gas <sup>(d)</sup>	0.033	2.1	5.0	0.13	8.1	19.5	0.026	1.6	3.9	0.0034	0.2	0.5	0.032	2.0	4.8
Dryer Fired with No. 2 Fuel Oil	0.033	2.1	5.0	0.13	8.1	19.5	0.055	3.4	8.3	0.011	0.7	1.7	0.032	2.0	4.8
Dryer Fired with Waste Oil <sup>(e)</sup>	0.033	2.1	5.0	0.13	8.1	19.5	0.055	3.4	8.3	0.058	3.6	8.7	0.032	2.0	4.8

Maximum Asphalt Production Rate =	125000	tons/mo
Maximum Asphalt Production Rate =	300000	tons/year

(a) AP-42, Fifth Edition, Chapter 11.1 Hot Mix Asphalt Plants, Table 11.1-3.

(b) AP-42, Fifth Edition, Chapter 11.1 Hot Mix Asphalt Plants, Table 11.1-7.

(c) AP-42, Fifth Edition, Chapter 11.1 Hot Mix Asphalt Plants, Table 11.1-8.

(d) Represents current emission limits.

(e) Waste oil is also known as No. 3 Special Oil. Emissions rates represent "worst case" annual emissions.

Example Calculation: tons/mo PM/PM<sub>10</sub> = 0.033 lb/ton × 125,000 ton/mo + 2,000 lb/ton = 2.1 tons/mo

Example Calculation: tons/year PM/PM<sub>10</sub> = 0.033 lb/ton × 300,000 ton/mo + 2,000 lb/ton = 5.0 tons/year

**Table 3**  
**Potential Hazardous Air Pollutant (HAP) Emissions for a Drum Mix Asphalt Plant**  
**Firing Natural Gas, No. 2 Fuel Oil, or Waste Oil**  
**Beale Court Asphalt Plant (ID# 201888ABG)**  
**Rock Road Companies, Inc.**  
**Rockford, Illinois**

Hazardous Air Pollutant	Emission Factor (lb/ton) <sup>(a)</sup>	Annual Emission Rate (tons/year)
Acetaldehyde	0.001300	1.95E-01
Acrolein	0.000026	3.90E-03
Benzene	0.00039	5.85E-02
Ethylbenzene	2.40E-04	3.60E-02
Formaldehyde	3.10E-03	4.65E-01
Hexane	9.20E-04	1.38E-01
Isooctane	4.00E-05	6.00E-03
Methyl ethyl ketone	2.00E-05	3.00E-03
Propionaldehyde	1.30E-04	1.95E-02
Quinone	1.60E-04	2.40E-02
Methyl chloroform	4.80E-05	7.20E-03
Toluene	2.90E-03	4.35E-01
Xylene	2.00E-04	3.00E-02
2-Methylnaphthalene	1.70E-04	2.55E-02
Acenaphthene	1.40E-06	2.10E-04
Acenaphthylene	2.20E-05	3.30E-03
Anthracene	3.10E-06	4.65E-04
Benzo(a)anthracene	2.10E-07	3.15E-05
Benzo(a)pyrene	9.80E-09	1.47E-06
Benzo(b)fluoranthene	1.00E-07	1.50E-05
Benzo(e)pyrene	1.10E-07	1.65E-05
Benzo(g,h,i)perylene	4.00E-08	6.00E-06
Benzo(k)fluoranthene	4.10E-08	6.15E-06
Chrysene	1.80E-07	2.70E-05
Fluoranthene	6.10E-07	9.15E-05
Fluorene	1.10E-05	1.65E-03
Indeno(1,2,3-cd)pyrene	7.00E-09	1.05E-06
Naphthalene	6.50E-04	9.75E-02
Perylene	8.80E-09	1.32E-06
Phenanthrene	2.30E-05	3.45E-03
Pyrene	3.00E-06	4.50E-04
Arsenic	5.60E-07	8.40E-05
Cadmium	4.10E-07	6.15E-05
Chromium	5.50E-06	8.25E-04
Cobalt	2.60E-08	3.90E-06
Hexavalent chromium	4.50E-07	6.75E-05
Lead	1.50E-05	2.25E-03
Manganese	7.70E-06	1.16E-03
Mercury	2.60E-06	3.90E-04
Nickel	6.30E-05	9.45E-03
Phosphorus	2.80E-05	4.20E-03
Selenium	3.50E-07	5.25E-05
Total PCDD/PCDF	1.20E-10	1.80E-08
<b>Total HAPs</b>		<b>1.37</b>

Maximum Asphalt Production Rate (tons/year)
300000

(a) Emission factor is from AP-42, Fifth Edition, Chapter 11.1 Hot Mix Asphalt Plants, Table 11.1-10.

217/782-2113

**RENEWAL**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- NSPS SOURCE**

PERMITTEE

Rock Road Company  
Attn: Steven Kennedy  
Post Office Box 1779  
Janesville, Wisconsin 53547

Application No.: 72110724

I.D. No.: 201308ABG

Applicant's Designation:

Date Received: May 1, 2000

Subject: Asphalt and Aggregate Processing Plants

Date Issued: November 6, 2000

Expiration Date: November 6, 2005

Location: 801 Beale Court, Rockford

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of a gas fired drum-mix asphalt plant with baghouse, fuel-oil fired drum-mix asphalt plant with baghouse, gas fired asphalt tank heater, aggregate crusher, anti-strip additive storage tank (500 gallon), 2 TAC storage tanks (10,000 gallon, each), and 3 liquid asphalt storage tanks (30,000 gallon, 25,000 gallon, and 20,000 gallon) as described in the application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of nitrogen oxides (NO<sub>x</sub>), volatile organic material (VOM), carbon monoxide (CO), and sulfur dioxide (SO<sub>2</sub>) from the asphalt plants to less than major source thresholds, as described in Attachment A. As a result, the source is excluded from requirements to obtain a Clean Air Act Permit Program permit.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- 2a. The gas fired drum-mix asphalt plant and fuel-oil fired drum-mix asphalt plant are subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and I. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. The emissions from each of the asphalt plants shall not contain particulate matter in excess of 0.04 gr/dscf and shall not exhibit 20% opacity or greater, pursuant to the NSPS, 40 CFR 60.92.
- c. At all times the Permittee shall also maintain and operate the Asphalt Plants, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions, pursuant to the NSPS, 40 CFR 60.11(d).

3a. The 3 liquid asphalt storage tank(s) are subject to New Source Performance Standards (NSPS), 40 CFR 60 Subpart Kb. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.

- b. At all times, the Permittee shall, to the extent practicable, maintain and operate these tanks, in a manner consistent with good air pollution control practice for minimizing emissions, pursuant to the New Source Performance Standard.
- c. The Permittee shall fulfill the monitoring of operations requirements of the New Source Performance Standards, 40 CFR 60.116b(a) and (b) for the 3 liquid asphalt storage tanks. That is, records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel, shall be maintained and readily accessible for the life of the source.
- 4a. The aggregate crusher is subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and 000. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. Emissions of particulate matter from grinding mills, screens (except from truck dumping), bucket elevators, transfer points on belt conveyors, bagging operations, and storage bins, shall not exceed 10 percent opacity, (40 CFR 60.672(b) and (d)).
- c. Emissions of particulate matter from the crushers (except from truck dumping), shall not exceed 15 percent opacity, (40 CFR 60.672(c) and (d)).
- 5. At all times the Permittee shall also maintain and operate this equipment, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions.
- 6a. Operation of the asphalt plant shall not exceed the following limits:
  - i. Gas Fired Drum-Mix Asphalt Plant: 300 tons/hour, and 300,000 tons/yr  
Asphalt Tank Heater Firing Rate: 2.0 mmBtu/hr
  - i. Fuel-Oil Fired Drum-Mix Asphalt Plant: 400 tons/hour, and 300,000 tons/yr
- b. Emissions and operation of the gas fired drum-mix asphalt plant shall not exceed the following limits:

<u>Equipment</u>	<u>Asphalt Production</u>		<u>Pollutant</u>	<u>Emission</u>	<u>Emissions</u>	
	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>		<u>Factor</u>	<u>(Lb/Mo)</u>	<u>(Tons/Yr)</u>
Gas Fired Drum-Mix Asphalt Plant	125,000	300,000	TSP	0.018	2,250	2.7
			CO	0.056	7,000	8.4

NO <sub>x</sub>	0.03	3,750	4.5
SO <sub>2</sub>	0.0033	413	0.5
VOM	0.03	3,750	4.5

These limits are based on standard AP-42 emission factors, a maximum hourly capacity of 300 tons/hr and information provided in the application. The TSP emission factor and hourly production limitation were determined through NSPS testing requirements. Compliance with annual limits shall be determined from a running total of 12 months of data.

- c. Emissions and operation of the fuel-oil fired drum-mix asphalt plant shall not exceed the following limits:

<u>Equipment</u>	<u>Asphalt Production</u>		<u>Pollutant</u>	<u>Emission Factor (Lb/Ton)</u>	<u>Emissions</u>	
	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>			<u>(Lb/Mo)</u>	<u>(Tons/Yr)</u>
Fuel-Oil Fired Drum-Mix Asphalt Plant	125,000	300,000	TSP	0.025	3,125	3.75
			CO	0.036	4,500	5.40
			NO <sub>x</sub>	0.075	9,375	11.25
			SO <sub>2</sub>	0.04	5,000	6.00
			VOM	0.008	1,000	1.20

These limits are based on standard AP-42 emission factors, a maximum hourly capacity of 400 tons/hr and information provided in the application. The TSP emission factor and hourly production limitation were determined through NSPS testing requirements. Compliance with annual limits shall be determined from a running total of 12 months of data.

- d. Emissions and operation of the asphalt storage tank heater shall not exceed the following limits:

<u>Equipment</u>	<u>Heat Input Rating (mmBtu/Hr)</u>	<u>Pollutant</u>	<u>Emission Factor (Lb/mm scf)</u>	<u>Emissions</u>	
				<u>(Lb/Mo)</u>	<u>(T/Yr)</u>
Gas Fired Asphalt Tank Heater	2	NO <sub>x</sub>	100	0.20	0.86
		CO	84	0.16	0.72

These limits are based on standard AP-42 emission factors, 8,760 hours of operation, and the use of natural gas as the only fuel fired in the asphalt tank heater. Compliance with annual limits shall be determined from a running total of 12 months of data.

- e. This permit is issued based on negligible emissions of volatile organic material (VOM) from 3 liquid asphalt storage tanks, 2 TAC storage tanks, and one anti-strip additive storage tank. For this purpose emissions

from each emission source shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/yr.

- 7a. Emissions and operation of aggregate processing plant shall not exceed the following limits:

<u>Equipment</u>	<u>Throughput</u>		<u>TSP Emission</u>	<u>TSP Emissions</u>	
	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>	<u>Factor</u> <u>(Lb/Ton)</u>	<u>(Lb/Mo)</u>	<u>(Tons/Yr)</u>
Crusher	124,000	300,000	0.0012	148.8	0.18

These limits are based on standard AP-42 emission factors, a maximum hourly capacity of 300 tons, and information provided in the application. The hourly capacity of the equipment was determined through NSPS testing. Compliance with annual limits shall be determined from a running total of 12 months of data.

- b. The moisture content of the aggregate as crushed shall be at least 1.5% by weight so as to reduce emissions of particulate matter.
- c. The Permittee shall show compliance with this requirement as follows:
- i. The moisture content of a representative sample of the aggregate shall be measured at least once per week using ASTM Procedures (C566-67) for total moisture content of material. Compliance with this requirement may be presumed if moisture content of aggregate as shipped is at least 1.5%; or
  - ii.
    - A. Water sprays shall be used at each crusher and on other emission units as necessary, except when weather conditions are below or expected to fall below freezing temperatures, to provide moisture that will reduce emissions of particulate matter.
    - B. The water supply to the spray equipment shall be equipped with a metering device used to determine water usage for the control of particulate matter emissions.
    - C. Inspections of water spray equipment and operation (such as leaking, adequate flow maintain, clogging of flow lines, etc.) shall be performed at least once per week when the facility is in operation, OR
  - iii. Water saturated materials mined below the water table are being processed.

- 8a. Within 90 days of a written request from the Illinois EPA, pursuant to 35 Ill. Adm. code Section 201.282, the emissions and opacity of the

exhaust from the asphalt plant shall be measured by an approved testing service, during conditions which are representative of the maximum performance. The Illinois EPA may provide additional time for the performance of this testing upon request from the Permittee which shows that it is not feasible to perform representative testing within 90 days.

- b. i. The following methods and procedures shall be used for testing of emissions. Refer to 40 CFR 60, Appendix A for USEPA test methods.

Opacity	USEPA Method 9
Location of Sample Points	USEPA Method 1
Gas Flow and Velocity	USEPA Method 2
Particulate Matter	USEPA Method 5

- ii. A test shall consist of three separate runs each at least 60 minutes in duration. Compliance shall be determined from the average of the runs provided that the Illinois EPA may accept the arithmetic mean of the two runs in circumstances described in 40 CFR 60.8(f).

- c. Testing shall be performed by a qualified independent testing service.

- d. At least 30 days prior to the actual date of testing a written test plan shall be submitted to the Illinois EPA for review and approval. This plan shall describe the specific procedures for testing, including:

- i. The person(s) who will be performing sampling and analysis and their experience with similar tests.
- ii. The conditions under which testing will be performed, including a discussion of why these conditions will be representative of the maximum operating rate, the levels of operating parameters at or within which compliance is intended to be shown, if applicable, and the means by which the operating parameters for the process and any control equipment will be determined.

- e. The Illinois EPA shall be notified prior to these tests to enable the Illinois EPA to observe these tests. Notification for the expected date of testing shall be submitted a minimum of thirty (30) days prior to the expected date. Notification of the actual date and expected time of testing shall be submitted a minimum of five (5) working days prior to the actual date of the tests. The Illinois EPA may, at its discretion, accept notification with shorter advance notice provided that the Illinois EPA will not accept such notifications if it interferes with the Illinois EPA's ability to observe the testing.

9. If the rotary dryer control systems are not operating properly while the dryers are operated or there is an exceedance of the requirements of



this permit as determined by the records required by Conditions 10 and 15, the Permittee shall submit a report within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.

10. The Permittee shall maintain operating and maintenance logs for the dryer control system, including: maintenance activities, with date and description of inspections, repair actions, and equipment or filter bag replacements, etc.
11. The Final Report(s) for all tests shall be submitted within 90 days after the date of the test. The Final Report shall include as a minimum:
  - i. General information describing the test, including the name and identification of the emission source which was tested, date of test, names of personnel performing the tests, and Illinois EPA observers, if any;
  - ii. A summary of results;
  - iii. Description of test procedures, including description of sampling points, test equipment, and test schedule;
  - iv. Detailed description of test conditions, including:
    - A. Process information, i.e., process rate, aggregate type, fuel type, and firing rate.
    - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
  - v. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
- 12a. Within 60 days of a written request from the Illinois EPA, pursuant to 35 Ill Adm. Code Section 201.282, the opacity from an affected aggregate facility subject to the NSPS shall be measured during conditions which are representative of the maximum performance. The Illinois EPA may provide additional time for the performance of this testing upon request from the Permittee which shows that it is not feasible to perform representative testing within 60 days.
  - b. i. The following methods and procedures shall be used for opacity measurements.

- ii. A test shall consist of 30 sets of 24 consecutive observations.
  - c. Opacity measurements shall be performed by a certified observer.
  - d. The Illinois EPA shall be notified prior to these measurements to enable the Illinois EPA to observe these measurements. Notification of the expected date of the measurements shall be submitted a minimum of thirty (30) days prior to the expected date. Notification of the actual date and expected time of measurement shall be submitted a minimum of five (5) working days prior to the actual date of the measurement. The Illinois EPA may, at its discretion, accept notification with shorter advance notice provided that the Illinois EPA will not accept such notifications if it interferes with the Illinois EPA's ability to observe the measurements.
13. The Final Report(s) for all performance tests shall be submitted within 60 days after the date of the test. The Final Report shall include as a minimum:
- a. General information describing the test, including the name and identification of the emission source which was tested, date of test, names of personnel performing the tests, and Illinois EPA observers, if any;
  - b. A summary of results;
  - c. A copy of certification for opacity observation of the person who performed the test;
  - d. Detailed description of test conditions, including:
    - i. Process information, i.e., process rate and aggregate type.
    - ii. Control equipment information, i.e., equipment condition and operating parameters during testing.
- 14a. If the Permittee is relying on 7(c)(ii)(A) above to show compliance the Permittee shall maintain records of all moisture content tests performed, including date, time, individual performing test, location of sample e.g., prior to crushing or as shipped.

If the Permittee is relying on 7(c)(ii)(B) above to show compliance the Permittee shall maintain operating logs for the water spray equipment, including dates and times of usage, malfunctions (type date and measures taken to correct), water pressure, and dates when there was enough rain that the water spray equipment was not operated.

- b. The Permittee shall maintain weekly records of water consumption in the spray equipment, as determined by the meter required by Condition 7(c)(ii)(B)(2).
15. The Permittee shall maintain annual and monthly records of the following items:
- a. Asphalt production (tons/mo, tons/yr);
  - b. Natural gas usage in rotary dryer (mmscf/mo, mmscf/yr);
  - c. Fuel oil usage and sulfur content in rotary dryer (gal/mo, gal/yr);
  - d. Natural gas usage in asphalt tank heater (mmscf/mo, mmscf/yr); and
  - e. Aggregate throughput (tons/mo, tons/yr).
16. This permit supersedes the current permit(s) issued for this location.
17. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA within 30 days after the exceedance. The report shall include the emissions released in accordance with the record keeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences. This report should be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

18. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
5415 North University

Peoria, Illinois 61614

19. The records required by this permit shall be retained at a readily accessible location at the plant for at least 3 years from the date of entry and shall be made available for inspection and copying by the Illinois EPA and USEPA upon request.
20. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including material handling or storage activity, beyond the property line of the emission source, pursuant to 35 Ill Adm. Code 212.301.
21. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the nuisance.
22. The assembly of any these plants at a new location will require a construction permit for the new location. This permit must be obtained prior to commencing construction at the new location.

It should be noted that the 2 fuel oil storage tanks are exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146(n).

If you have any questions on this, please call Eric Jones at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:EEJ:psj

cc: Illinois EPA, FOS Region 2  
USEPA

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the asphalt plant and aggregate crushing plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. This is handling 600,000 tons of asphalt production per year and 300,000 tons of aggregate per year. The resulting maximum emissions are well below the levels, e.g., 100 tons per year of nitrogen oxides (NO<sub>x</sub>), volatile organic material (VOM), carbon monoxide (CO), and sulfur dioxide (SO<sub>2</sub>) at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

1a. Operation of the asphalt plant shall not exceed the following limits:

- i. Gas Fired Drum-Mix Asphalt Plant: 300 tons/hour, and 300,000 tons/yr  
Asphalt Tank Heater Firing Rate: 2.0 mmBtu/hr
- ii. Fuel-Oil Fired Drum-Mix Asphalt Plant: 400 tons/hour, and 300,000 tons/yr

b. Emissions and operation of the gas fired drum-mix asphalt plant shall not exceed the following limits:

<u>Equipment</u>	<u>Asphalt Production</u>		<u>Pollutant</u>	<u>Emission Factor (Lb/Ton)</u>	<u>Emissions</u>	
	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>			<u>(Lb/Mo)</u>	<u>(Tons/Yr)</u>
Gas Fired Drum-Mix Asphalt Plant	125,000	300,000	TSP	0.018	2,250	2.7
			CO	0.056	7,000	8.4
			NO <sub>x</sub>	0.03	3,750	4.5
			SO <sub>2</sub>	0.0033	413	0.5
			VOM	0.03	3,750	4.5

These limits are based on standard AP-42 emission factors, a maximum hourly capacity of 300 tons/hr and information provided in the application. The TSP emission factor and hourly production limitation were determined through NSPS testing requirements. Compliance with annual limits shall be determined from a running total of 12 months of data.

c. Emissions and operation of the fuel-oil fired drum-mix asphalt plant shall not exceed the following limits:

<u>Equipment</u>	<u>Asphalt Production</u>		<u>Pollutant</u>	<u>Emission Factor (Lb/Ton)</u>	<u>Emissions</u>	
	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>			<u>(Lb/Mo)</u>	<u>(Tons/Yr)</u>

Fuel-Oil Fired	125,000	300,000	TSP	0.025	3,125	3.75
Drum-Mix			CO	0.036	4,500	5.40
Asphalt Plant			NO <sub>x</sub>	0.075	9,375	11.25
			SO <sub>2</sub>	0.056	7,000	8.40
			VOM	0.04	5,000	6.00

These limits are based on standard AP-42 emission factors, a maximum hourly capacity of 400 tons/hr and information provided in the application. The TSP emission factor and hourly production limitation were determined through NSPS testing requirements. Compliance with annual limits shall be determined from a running total of 12 months of data.

- d. Emissions and operation of the asphalt storage tank heater shall not exceed the following limits:

<u>Equipment</u>	<u>Heat Input Rating (mmBtu/Hr)</u>	<u>Pollutant</u>	<u>Emission Factor (Lb/mmscf)</u>	<u>Emissions</u>	
				<u>(Lb/Mo)</u>	<u>(T/Yr)</u>
Gas Fired Asphalt Tank Heater	2	NO <sub>x</sub>	100	0.20	0.86
		CO	84	0.16	0.72

These limits are based on standard AP-42 emission factors, 8,760 hours of operation, and the use of natural gas as the only fuel fired in the asphalt tank heater. Compliance with annual limits shall be determined from a running total of 12 months of data.

- e. This permit is issued based on negligible emissions of volatile organic material (VOM) from 3 liquid asphalt storage tanks, 2 TAC storage tanks, and one anti-strip additive storage tank. For this purpose emissions from each emission source shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/yr.
- 2a. Emissions and operation of aggregate processing plant shall not exceed the following limits:

<u>Equipment</u>	<u>Throughput</u>		<u>TSP Emission Factor (Lb/Ton)</u>	<u>TSP Emissions</u>	
	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>		<u>(Lb/Mo)</u>	<u>(Tons/Yr)</u>
Crusher	124,000	300,000	0.0012	148.8	0.18

These limits are based on standard AP-42 emission factors, a maximum hourly capacity of 300 tons, and information provided in the application. The hourly capacity of the equipment was determined through NSPS testing. Compliance with annual limits shall be determined from a running total of 12 months of data.

- b. The moisture content of the aggregate as crushed shall be at least 1.5% by weight so as to reduce emissions of particulate matter.
- c. The Permittee shall show compliance with this requirement as follows:

- i. The moisture content of a representative sample of the aggregate shall be measured at least once per week using ASTM Procedures (C566-67) for total moisture content of material. Compliance with this requirement may be presumed if moisture content of aggregate as shipped is at least 1.5%; or



- ii. A. Water sprays shall be used at each crusher, and on other emission units as necessary, except when weather conditions are below or expected to fall below freezing temperatures, to provide moisture that will reduce emissions of particulate matter.
  - B. The water supply to the spray equipment shall be equipped with a metering device used to determine water usage for the control of particulate matter emissions.
  - C. Inspections of water spray equipment and operation (such as leaking, adequate flow maintain, clogging of flow lines, etc.) shall be performed at least once per week when the facility is in operation, OR
- iii. Water saturated materials mined below the water table are being processed.

EEJpsj

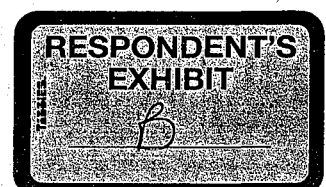
**From:** James Kallmeyer  
**To:** Armitage, Julie  
**Date:** 7/21/2004 10:57:50 AM  
**Subject:** Rock Road Companies, Inc. (201808ABG, Construction Permit 04030060)

Julie:

I just received a call from Steve Kennedy of Rock Road Companies, Inc. regarding waste oil-fired, stack testing for their Rockford asphalt plant. (Please see Condition 5c of subject permit below:)

He says he is not needing more than 7 days total to do the stack testing but is concerned they may not be able to do so within 7 calendar days in the event of weather delays. Says he'll need a day to do pre-test re-tuning of burners to handle waste oil instead of the currently used natural gas. Says USEPA has also added the requirement to test for NOX, SO2, and VOM. Would like to just log the time required without the calendar day restriction. (Seems like a reasonable request to me.) Wants to know how to get proper Compliance and FOS approval. Steve can be reached at 608/752-8944.

5c. Waste oil-firing of the drum mixer/drum dryer is allowed under this construction permit only for a period not to exceed one calendar week, for the purposes of preparing for and conducting compliance stack testing. If additional time is required, the Illinois EPA, Compliance Section and Field Operations Section must first be contacted to obtain approval. Records shall be kept of the calendar dates and number of hours each day the plant is fired with waste oil until testing is completed. If evidence arises of odor problems, operation with waste oil-firing must be stopped immediately.



ITSD 12/10/86 → B. Bernstein

N



ROCK ROAD  
COMPANIES, INC.

July 23, 2004

201808ABG  
04030060  
7/29/04

Ms. Julie Armitage, Acting Manager  
Compliance and Systems Management Section  
Bureau of Air  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
Springfield, IL 62794

RE: **Application No. 04030060**  
**I.D. No. 201808ABG**

Dear Ms. Armitage:

We are writing to ask for additional calendar weeks for on-spec waste oil firing at our plant. We are not asking for an increase in the number of days of actual usage. This request is needed in order to prepare our plant for the switch over from natural gas to on-spec waste oil.

We need to install plumbing and pumps; we also need to reconstruct our piping for the change in fuel usage. We will also need to adjust our air in order to achieve complete combustion before we begin production with this fuel. Finally, we will need to run on spec fuel in order to complete the necessary testing for our construction permit.

Our work schedule would be approximately:

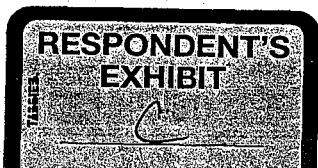
Week 1: 1-2 days based on work availability  
Week 2: 1-2 days based on work availability  
Week 3: 1-2 days for testing based on work availability

We will not fire on-spec waste oil any more than six days total. We will keep documentation of the gallons of on-spec waste oil received and the gallons used during these set up and testing days.

RECEIVED

JUL 29 2004

IEPA - DAPC - SPFLD



If you require additional information, please do not hesitate to contact me at 608-752-8944.

Sincerely,

ROCK ROAD COMPANIES, INC.



Stephen M. Kennedy  
Vice President

SMK:cmh

cc Jim Kallmeyer, IL EPA, Springfield  
Kevin Mattison, IL EPA, Des Plaines  
Kenneth Erewele, IL EPA, Springfield  
Chris Pressnall, IL EPA, Springfield



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

P.O. Box 19506, SPRINGFIELD, ILLINOIS 62794-9506

RENEE CIPRIANO, DIRECTOR

217/782-2113

CERTIFIED MAIL  
7002 3150 0000 1258 1117

CONSTRUCTION PERMIT GRANT - OPERATING PERMIT DENIAL - NSPS SOURCE - REVISED

PERMITTEE

Rock Road Companies, Inc.  
Attn: Mr. Steve Kennedy, Vice President  
Post Office Box 1779  
301 West Townline Road  
Janesville, Wisconsin 53547

Application No.: 04030060

I.D. No.: 201808ABG

Applicant's Designation: BEALECOURT

Date Received: July 29, 2004

Subject: Asphalt Plant Alternate Firing

Date Issued: August 5, 2004

Location: 801 Beale Court, Rockford, Illinois, 61109

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of the modification of the existing drum-mix asphalt plant with baghouse to allow the use of distillate fuel oil No. 2 and waste oil in the drum mixer/drum dryer, as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This asphalt plant is subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and I. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. The emissions from the asphalt plant shall not contain particulate matter (PM) in excess of 0.04 gr/dscf and shall not exhibit 20% opacity or greater, pursuant to the NSPS, 40 CFR 60.92.
- c. At all times the Permittee shall also maintain and operate the asphalt plant, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions, pursuant to the NSPS, 40 CFR 60.11(d).
- 2a. No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to the requirements of 35 Ill. Adm. Code 212.122, pursuant to 35 Ill. Adm. Code 212.123(a), except as allowed by 35 Ill. Adm. Code 212.123(b) and 212.124.
- b. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the source except when the wind speed is in excess of 25 miles per hour, pursuant to 35 Ill. Adm. Code 212.301 and 212.314.

ROD R. BLAGOJEVICH, GOVERNOR



3. No person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission unit to exceed 2000 ppm, pursuant to 35 Ill. Adm. Code 214.301.
4. Use of Organic Material. Pursuant to 35 Ill. Adm. Code 215.301, no person shall cause or allow the discharge of more than 8.0 lbs/hour of organic material into the atmosphere from any emission unit, except if no odor nuisance exists this limitation shall only apply to photochemically reactive material as defined in 35 Ill. Adm. Code 211.4690.
- 5a. Operation of the drum mixer/drum dryer associated with the asphalt plant firing distillate fuel oil No. 2 or waste-oil shall not begin until all associated air pollution control equipment has been constructed and is operational.
- b. The Permittee shall furnish the Illinois EPA written notification as follows pursuant to 40 CFR 60.7(a):
  - i. A notification of anticipated date of initial start-up at least 5 days prior to such date,
  - ii. A notification of actual date of initial start-up within 15 days after such date.
- c. Waste oil-firing of the drum mixer/drum dryer is allowed under this construction permit only for a period not to exceed a total of seven days, for the purposes of preparing for and conducting compliance stack testing. These are not required to be seven consecutive calendar days. If additional time is required, the Illinois EPA, Compliance Section and Field Operations Section must first be contacted to obtain approval. Records shall be kept of the calendar dates and number of hours each day the plant is fired with waste oil until testing is completed. If evidence arises of odor problems, operation with waste oil-firing must be stopped immediately.
- 6a. The baghouse shall be in operation at all times when the associated drum mixer/drum dryer is in operation and emitting air contaminants.
- b. The Permittee shall follow good operating practices for the baghouse, including periodic inspection, routine maintenance and prompt repair of defects.
- 7a. At the above location, the Permittee shall not keep, store, or utilize in the affected drum-mix asphalt plant:
  - i. Distillate fuel oil (Grade No. 1 and 2) with a sulfur content greater than the larger of the following two values:
    - A. 0.28 weight percent, or

B. The Wt percent given by the formula: Maximum Wt percent sulfur = (0.000015) x (Gross heating value of oil, Btu/lb).

- b. This permit is issued based on the combustion waste oil for the drum mixer/drum dryer. This use of waste oil is not allowed to fire the asphalt tank heaters, boilers, or any unit that meets the definition of a fuel combustion emission unit pursuant to 35 Ill. Adm. Code 211.2470.
- c. The Illinois EPA shall be allowed to sample all fuels stored at the above location.
- 8. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the nuisance.
- 9a. Emissions and operation of the asphalt plant shall not exceed the following limits:
  - i. Asphalt Production Limits:

Asphalt Concrete Production	
<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
50,000	300,000

ii. Emissions from Drum Mixer/Dryer:

<u>Pollutant</u>	Emission Factor	Emissions	
	<u>(Lb/Ton)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
Particulate Matter (PM)	0.033	0.83	5.0
Nitrogen Oxides (NO <sub>x</sub> )	0.055	1.38	8.3
Carbon Monoxide (CO)	0.130	3.25	19.5
Volatile Organic Material (VOM)	0.032	0.80	4.8
Sulfur Dioxide (SO <sub>2</sub> )	0.058	<u>1.45</u>	<u>8.7</u>
	Totals	7.71	46.3

iii. Emissions from Asphalt Silo Loading and Truck Loadout:

<u>Pollutant</u>	Emission Factor	Emissions	
	<u>(lb/Ton)</u>	<u>(lb/Mo)</u>	<u>(Ton/Yr)</u>
CO	0.0007	35	0.11
PM	0.0007	35	0.11
VOM	0.0048	240	0.72

iv. These limits are based on maximum asphalt production and standard AP-42 emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

- b. Emissions of hazardous air pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP or 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering Section 112(g) of the Clean Air Act.
  - c. No person shall cause or threaten or allow the discharge or emission of any contaminant into the environment in any State so as to cause or tend to cause air pollution in Illinois, either alone or in combination with contaminants from other sources, or so as to violate regulations or standards adopted by the Illinois Pollution Control Board, pursuant to Section 9(a) of the Illinois Environmental Protection Act.
- 10a. Pursuant to 40 CFR 60.8(a), within 60 days after achieving the maximum production rate at which the asphalt plant will be operated, but not later than 90 days after initial startup, the particulate matter concentration in its effluent stream shall be measured by an approved independent testing service, using waste-oil firing and during conditions which are representative of the maximum performance. During these tests, observations to determine opacity of the effluent stream shall also be conducted.
- b. This testing shall be conducted and data collected in accordance with the test methods and procedures specified in 40 CFR 60.8, 60.11 and 60.93.
  - c. At least 60 days prior to the actual date of testing, the Permittee shall submit a written test plan to the Illinois EPA for review and approval. This plan shall include as a minimum:
    - i. The name (or other identification) of the emission unit(s) to be tested and the name and address of the facility at which they are located;
    - ii. The name and address of the independent testing service(s) performing the tests, with the names of the individuals who may be performing sampling and analysis and their experience with similar tests;
    - iii. The specific determinations of emissions and/or performance which are intended to be made, including the site(s) in the ductwork or stack at which sampling will occur;
    - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and minimum control performance, the values of operating parameters for the emission unit, including associated control equipment, at or within which compliance is intended to be shown, and the means by which the operating parameters will be determined;



- d. i. The Permittee shall provide the Illinois EPA with written notification of testing at least thirty (30) days prior to testing to enable the Illinois EPA to have an observer present. This notification shall include the name of emission unit(s) to be tested, scheduled date and time, and contact person with telephone number.
- ii. If testing is delayed, the Permittee shall promptly notify the Illinois EPA by facsimile, at least 5 days prior to the scheduled date of testing or immediately, if the delay occurs in the 5 days prior to the scheduled date. This notification shall also include the new date and time for testing, if set, or a separate notification shall be sent with this information when it is set.
- e. The Permittee shall submit the Test Report for this testing, accompanied by a cover letter stating whether or not compliance was shown, to the Illinois EPA without delay, within 30 days after the results are compiled, but no later than sixty (60) days after the date of testing or sampling. The Test Report shall include as a minimum:
  - i. General information describing the test, including the name and identification of the emission source which was tested, date of test, names of personnel performing the tests, and Illinois EPA observers, if any;
  - ii. A summary of results;
  - iii. Description of test procedures, including description of sampling points, test equipment, and test schedule;
  - iv. Detailed description of test conditions, including:
    - A. Process information, i.e., process rate, aggregate type, fuel type, and firing rate.
    - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
  - v. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
- 11a. The Permittee shall perform all applicable monitoring for the drum-mix asphalt plant as specified in 40 CFR 60.13 and 60.674.
- b. Inspections of the drum-mix asphalt plant and control systems equipment and operations shall be performed as necessary but at least once per week when the affected drum-mix asphalt plant is in operation to confirm compliance with the requirements of this permit.
- 12a. The Permittee shall maintain records of the following items for the drum-mix asphalt plant to demonstrate compliance with the conditions of this permit:
  - i. Asphalt concrete production (tons/month and tons/year);

- ii. Waste oil shipments, usage, sulfur content, and ash content (gallons/month, gallons/year, % weight, % weight); and
  - iii. Dates of operation and hours of operation with waste oil-firing (calendar days, hours/day).
  - iv. Records addressing use of good operating practices for the baghouse:
    - A. Operating logs for the drum-mix asphalt plant dryer baghouse, including operating data (pressure drop or stack condition), daily upon startup;
    - B. Records for periodic inspection of the baghouse with date, individual performing the inspection, and nature of inspection; and
    - C. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired, and nature of repair.
  - v. Incidents of malfunction, with date, duration, description, probable cause, and corrective actions, pursuant to 40 CFR 60.7(b), and
  - vi. Monthly and aggregate annual CO, NO<sub>x</sub>, PM, SO<sub>2</sub>, and VOM emissions from the drum-mix asphalt plant shall be maintained, based on asphalt production and the applicable emission factors, with supporting calculations.
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
- 13a. The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the drum-mix asphalt plant with the permit requirements as follows. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken:
- i. Emissions of CO, NO<sub>x</sub>, PM, SO<sub>2</sub> and/or VOM, in excess of the limit specified in Condition 9 within 30 days of a record showing such an occurrence.
  - ii. Continued operation of the drum-mix asphalt plant with a defect in a baghouse that may result in emissions of particulate matter in excess of limits in Conditions 1(b), 2, or 4(a) within 30 days of such an occurrence.

- iii. The use of distillate fuel oil with a sulfur content in excess of the limit specified in Condition 7(a) with the length of time this fuel was used and the effect on emissions of SO<sub>2</sub> within 30 days of this violation being detected.
- b. The Permittee shall submit all applicable reports for the drum-mix asphalt plant as specified in 40 CFR 60.7 and 60.19.
- c. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
5415 North University  
Peoria, Illinois 61614

- 14. A construction permit covers construction activity taking place on or after the date of issuance of the permit. Even though the issuance of this permit indicates that the Illinois EPA has found that the application for the subject equipment met 35 Ill. Adm. Code 201.155, the standards for issuance of a construction permit, this permit does not cover and in no way condones or approves any construction of the subject emission sources or air pollution control equipment which took place before the date of issuance of this permit.

The OPERATING permit application is DENIED because the Illinois Environmental Protection Act, Section 9, and 35 Ill. Adm. Code 201.160 might be violated.

Pursuant to Section 201.160, an operating permit may not be issued until the equipment has been constructed or modified in accordance with applicable conditions in this construction permit. The Illinois EPA suggests that you reapply for the operating permit after construction and testing are completed in accordance with the construction permit.

It should be noted that this permit does not authorize the acceptance of waste. The appropriate permit must be obtained from the Bureau of Land before waste can be accepted. If the used oil is not "on-spec" and not burned in a unit for energy recovery as allowed by 35 Ill. Adm. Code 739.161, the used oil will be considered a solid waste and not a fuel. This makes the used oil subject to the manifest requirements of 35 Ill. Adm. Code 809 and the facility subject to the permitting requirements of 35 Ill. Adm. Code 807, as a solid waste management site. Furthermore, the used oil must provide surplus energy beyond that necessary to sustain combustion to be considered a fuel and not a waste.

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It should be noted that this permit has been revised to change Condition 5c to limit waste oil-firing to a total of seven days, which need not necessarily be consecutive, at the request of the applicant.

If you have any questions on this permit, please call Jim Kallmeyer at 217/782-2113.

*DES*

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

*JDK R-BA/6/2005*  
DES:JDK:psj

cc: Illinois EPA, FOS Region 2

**COPY**  
Original Signed by  
Donald E. Sutton, P.E.



STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL  
P. O. BOX 19506  
SPRINGFIELD, ILLINOIS 62794-9506

**STANDARD CONDITIONS FOR CONSTRUCTION/DEVELOPMENT PERMITS  
ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

July 1, 1985

The Illinois Environmental Protection Act (Illinois Revised Statutes, Chapter 111-1/2, Section 1039) authorizes the Environmental Protection Agency to impose conditions on permits which it issues.

The following conditions are applicable unless superseded by special condition(s).

1. Unless this permit has been extended or it has been voided by a newly issued permit, this permit will expire one year from the date of issuance, unless a continuous program of construction or development on this project has started by such time.
2. The construction or development covered by this permit shall be done in compliance with applicable provisions of the Illinois Environmental Protection Act and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any duly authorized agent of the Agency upon the presentation of credentials, at reasonable times:
  - a. to enter the permittee's property where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit,
  - b. to have access to and to copy any records required to be kept under the terms and conditions of this permit,
  - c. to inspect, including during any hours of operation of equipment constructed or operated under this permit, such equipment and any equipment required to be kept, used, operated, calibrated and maintained under this permit,
  - d. to obtain and remove samples of any discharge or emissions of pollutants, and
  - e. to enter and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
  - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located,
  - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities,
  - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations,
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project, and

- e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. a. Unless a joint construction/operation permit has been issued, a permit for operation shall be obtained from the Agency before the equipment covered by this permit is placed into operation.
- b. For purposes of shakedown and testing, unless otherwise specified by a special permit condition, the equipment covered under this permit may be operated for a period not to exceed thirty (30) days.
7. The Agency may file a complaint with the Board for modification, suspension or revocation of a permit:
- a. upon discovery that the permit application contained misrepresentations, misinformation or false statements or that all relevant facts were not disclosed, or
  - b. upon finding that any standard or special conditions have been violated, or
  - c. upon any violations of the Environmental Protection Act or any regulation effective thereunder as a result of the construction or development authorized by this permit.

CALCULATION SHEET

Facility: Rock Road Companies, Inc.	ID 201808ABG
Anal. Eng. JDK Date 8-5-04	PN 04030060
Rev. Eng. Date	Date Rec. 7-29-04

This is a request to revise a CONSTRUCTION GRANT-OPERATE DENY permit for modification of a natural gas-fired, drum-mix asphalt plant with baghouse. (The modification is to add alternate fuel oil #2 and waste oil-firing capability.) VN A-2003-00330 was sent 12-12-03 by Ken Erewele.

The revision request is to change the time period allowed for stack testing using waste oil-firing from one calendar week to a total of seven days, which need not necessarily be consecutive.

I recommend this permit be revised, as requested.

NOTES:

1. Legal (Chris Pressnal/Julie Armitage) gave prior approval of the wording change for this revision.
2. This revision was made without additional fee charges since the request was made within 35 days of the original issue date.

*IBD 12/10/86 → B. Benotat*

*N*



**ROCK ROAD  
COMPANIES, INC.**

July 23, 2004

*201808ABG  
04030060  
7/29/04*

Ms. Julie Armitage, Acting Manager  
Compliance and Systems Management Section  
Bureau of Air  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
Springfield, IL 62794

**RE: Application No. 04030060  
I.D. No. 201808ABG**

Dear Ms. Armitage:

We are writing to ask for additional calendar weeks for on-spec waste oil firing at our plant. We are not asking for an increase in the number of days of actual usage. This request is needed in order to prepare our plant for the switch over from natural gas to on-spec waste oil.

We need to install plumbing and pumps; we also need to reconstruct our piping for the change in fuel usage. We will also need to adjust our air in order to achieve complete combustion before we begin production with this fuel. Finally, we will need to run on spec fuel in order to complete the necessary testing for our construction permit.

Our work schedule would be approximately:

- Week 1: 1-2 days based on work availability
- Week 2: 1-2 days based on work availability
- Week 3: 1-2 days for testing based on work availability

We will not fire on-spec waste oil any more than six days total. We will keep documentation of the gallons of on-spec waste oil received and the gallons used during these set up and testing days.

**RECEIVED**  
JUL 29 2004  
LEPA - DAPC - SPFLD



If you require additional information, please do not hesitate to contact me at 608-752-8944.

Sincerely,

ROCK ROAD COMPANIES, INC.



Stephen M. Kennedy  
Vice President

SMK:cmh

cc Jim Kallmeyer, IL EPA, Springfield  
Kevin Mattison, IL EPA, Des Plaines  
Kenneth Erewele, IL EPA, Springfield  
Chris Pressnall, IL EPA, Springfield

**CERTIFICATE OF SERVICE**

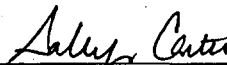
I hereby certify that I did on the 18th day of October 2004, send by First Class Mail, with postage thereon fully paid and deposited into the possession of the United States Postal Service, one (1) original and nine (9) copies of the following instruments entitled NOTICE, and MOTION TO DISMISS to:

Dorothy Gunn, Clerk  
Illinois Pollution Control Board  
100 West Randolph  
Suite 11-500  
Chicago, Illinois 60601

and a true and correct copy of the same foregoing instruments, by First Class Mail with postage thereon fully paid and deposited into the possession of the United States Postal Service, to:

Brad Halloran  
Hearing Officer  
Illinois Pollution Control Board  
100 W. Randolph Street  
Suite 11-500  
Chicago, Illinois 60601

Harvey M. Sheldon  
Hinshaw & Culbertson LLP  
222 North LaSalle Street  
Chicago, IL 60601



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SALLY CARTER  
Assistant Counsel  
Special Assistant Attorney General