OhioEPA
State of Ohio Environmental Protection Agency

STREET ADDRESS:
1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

JK

Re: Permit to Install
Franklin County
Application No: 01-5601
NSPS
SYNTHETIC MINOR

Astec
#1

CERTIFIED MAIL

June 28, 1995

AGG ROK MATERIALS
TED GUTHRIE
395 FRANK RD.
COLUMBUS, OH 43207

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Board of Review pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations & Permit Section
Division of Air Pollution Control

cc: US EPA
CENTRAL DISTRICT OFFICE, DAPC

State of Ohio Environmental Protection Agency

Permit to Install
Terms and Conditions

Application No. 01-5601
APS Premise No. 0125002100
Permit Fee: $1900.00

Name of Facility: AGG ROK MATERIALS

Person to Contact: TED GUTHRIE

Address: 395 FRANK RD.
COLUMBUS, OH 43207

Location of proposed source(s): 711 FRANK RD.
FRANKLIN TWP., OHIO

Description of proposed source(s):
460 TON PER HOUR PORTABLE BATCH ASPHALT PLANT (ASTEC #1).

Date of Issuance: June 28, 1995

Effective Date: June 28, 1995

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Donald R Schregardus

Director

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES(S)

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to

the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies.

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for AGG ROK MATERIALS located in Franklin County. The sources listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Ohio EPA Source Number	Source Identification Description	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
F003	Aggregate Storage	Inherent moisture and reduced drop height during load-in	3745-31-05	11.4 TPY TSP No visible emissions except for 1 minute during 60 minute observation period, See Terms and Conditions
F004	Cold Aggregate Handling	Inherent moisture and reduced drop height during load-in	3745-31-05 3745-17-07	7.0 lbs TSP/hr, opacity shall not exceed 20% as a three minute average, See Terms & Conditions
F005	Roadways	Application of water, good housekeeping practices, and speed reduction for 85% control control efficiency	3745-31-05	1.2 tons TSP/yr, no visible emissions from unpaved roadways except for 3 minutes during 60 minute observation period. No visible emissions from paved roadways except for 1 minute during 60 minute observation period, and see Additional Terms & Conditions

Ohio EPA Source Number	Source Identification Description	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
P002	460 ton/hr Portable Asphalt Batch Plant with Baghouse (Astec #1)	Use of fabric filter with outlet grain loading of no greater than 0.04 gr/dscf, use of natural gas/fuel oil with sulfur content of 0.5% or less, recycled asphalt shall not exceed 25% of aggregate mix.	3745-31-05 3745-17-07 3745-17-11 3745-35-07 40 CFR Part 60 Subpart I	17.2 lbs TSP/hr, 16.6 lbs NO_x/hr, 17.5 lbs CO/hr, 12.9 lbs OC/hr, 67.2 lbs SO_2/hr, production limited to 460,000 tons/yr based on 0.146 lb SO_2/ton asphalt, stack emission shall not exceed 20% opacity for more than six minutes during 60 minute observation period; oil combustion shall not exceed 900,000 gallon per year, and see Additional Terms and Conditions
T008	30,000 gallon heated asphalt tank	Use of submerged fill, use of natural gas/fuel oil w/sulfur content no greater than 0.5%, 0.02 lb PM/MMBTU of fuel input	3745-31-05 3745-17-10 40 CFR Part 60 Subpart Kb	0.1 ton TSP/yr, 3.1 tons SO_2/yr, 0.9 ton NO_x/yr, 0.8 ton OC/yr
T009	30,000 gallon heated asphalt tank	Use of submerged fill, use of natural gas/fuel oil with sulfur content no greater than 0.5%, no greater than 0.02 lb PM/MMBTU of fuel input	3745-31-05 3745-17-10 40 CFR Part 60 Subpart Kb	0.1 ton TSP/yr 3.1 tons SO_2/yr 0.9 ton NO_x/yr 0.8 ton OC/yr

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons/Year
TSP	33.0
SO_2	39.8
NO_x	10.1
CO	8.7
OC	6.4 -16=

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

Source No.	Source Description	NSPS Regulation (Subpart)
P002	Astec #1 Batch Plant	I
T008	Storage Tank	Kb
T009	Storage Tank	Kb

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

a. construction date (no later than 30 days after such date);
b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
c. actual start-up date (within 15 days after such date); and
d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P.O. Box 1049
Columbus, OH 43216-1049

and OEPA Central District Office - DAPC
3232 Alum Creek Drive, P. O. Box 163669
Columbus, Ohio 43216-3669

PERFORMANCE TEST REQUIREMENTS

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report describing the test procedures followed and the results of such tests shall be submitted and signed by the person responsible for the test. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

A. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made 30 days in advance and shall specify the source operating parameters, the proposed test procedures, and the time, date, place and person(s) conducting such tests.

B. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.

C. Tests shall be performed for the following source(s) and pollutants(s):

Source	Pollutants
P002	Opacity, TSP

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to OEPA Central District Office - DAPC, 3232 Alum Creek Drive, P. O. Box 163669, Columbus, Ohio 43216-3669.

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the OEPA Central District Office - DAPC, 3232 Alum Creek Drive, P. O. Box 163669, Columbus, Ohio 43216-3669.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

NEW SOURCE PERFORMANCE STANDARD SUBPART Kb

The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

In accordance with 40 CFR 60.116b(a) and (b), the owner and operator of the following storage vessel(s) shall keep readily accessible records showing the dimension of each storage vessel and an analysis showing the capacity of each storage vessel for the life of each source.

Source Number(s):	Tank Size:
T008	30,000 gallon
T009	30,000 gallon

NOTICE OF INTENT TO RELOCATE

Pursuant to OAC Rule 3745-31-03(A)(1)(n), the owner or operator of the portable or mobile source identified within this Permit to Install may relocate within the state of Ohio without first obtaining a Permit to Install providing the following criteria are met:

a. the source is equipped with the Best Available Control Technology for such source;

b. the source is operating pursuant to a currently effective Permit to Operate;

c. the applicant has provided proper notice of intent to relocate the source to the Director within a minimum of 30 days prior to the scheduled relocation; and

d. in the Director's judgement, the proposed site is acceptable under Rule 3745-15-07 of the Administrative Code.

In order for the Director to determine compliance with all of the above criteria, the owner or operator of the portable or mobile source must file a "Notice of Intent to Relocate" at least 30 days prior to relocation of the source with the OEPA Central District Office - DAPC, 3232 Alum Creek Drive, P. O. Box 163669, Columbus, Ohio 43216-3669. Upon receipt of the notice, the Director, or the Director's authorized representative, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio Environmental Protection Agency approval prior to relocation of the source may result in fines and civil penalties.

CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

The following requirements in terms 1 and 2 are federally enforceable requirements:

1. **Restriction on Asphalt Plant Processing during Paving Season**

Astec plant 1, source P002, shall not process more than 460,000 tons asphalt during any rolling 12 month period.

For the first year of operation, Agg Rok shall not exceed the following production restrictions:

Month	* Tons of Asphalt
January - March	15,000
April	55,000
May	105,000
June	155,000
July	205,000
August	265,000
September	325,000
October	385,000
November	425,000
December	460,000

* cumulative total

Beginning on the first day the plant operates, the tons of asphalt processed in P002 shall be recorded each day. Agg Rok shall recalculate monthly the annual production. The first day of each month shall start a new 12 month period. This information shall be retained on file for not less than three years. These records shall be made available to the Director or an authorized representative during normal business hours.

By January 15 of each year, this facility shall submit a report of the total tons of asphalt processed during the previous paving season.

2. **Annual restriction on the Fuel Oil Combustion**

Astec Plant 1, source P002, shall not combust more than 900,000 gallons of fuel oil during a rolling 12 month period.

This facility shall maintain records of the oil supplier's analyses for each shipment of oil which is received for burning in this source. The oil supplier's analyses shall document the sulfur content (percent) and heat content (BTU/gallon) of each shipment of oil. The following information shall also be included with the copies of the oil supplier's analyses:

a) the total quantity of oil received in each shipment (gallons);

b) the sulfur content (percent) of the oil received; and

c) the heat content (BTU/gallon) of the oil received.

All records required shall be retained on file for a period of not less than three years, unless otherwise indicated by Ohio EPA. All records shall be made available to the Director, or any authorized representative of the Director, for review, upon request.

During periods when fuel oil is combusted, monthly fuel usage will be determined and recorded. The monthly total will be added to the previous months during the paving season.

This facility shall submit an annual report, by January 15 of each year, to the Central District Office providing the total annual fuel usage during the previous twelve calendar months.

3. <u>Sand and Aggregate Storage</u>

All sand and aggregate storage piles shall contain sufficient moisture so as to minimize or eliminate visible emissions caused by wind erosion.

There shall be no visible particulate emission from the material storage piles except for a period of time not to exceed one minute during any sixty-minute observation period.

During the unloading onto or removal from the sand and aggregate storage piles, the drop height of the front-end loader shall be minimized in order to minimize or eliminate visible emissions of fugitive dust.

4. <u>Transfer of Sand and Aggregate</u>

All sand and aggregate transferred to the elevated storage bins shall contain sufficient moisture so as to minimize or eliminate visible emissions of fugitive dust.

5. <u>Control of Fugitive Dust from Plant Roadways</u>

The roadways shall be treated with water or any other dust suppressant in order to minimize or eliminate at all times visible emissions of fugitive dust generated by vehicular traffic. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.

Any material carried off of the source owner's property and deposited onto city streets by the vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of in such a manner so as to minimize or prevent resuspension.

A maximum speed limit of fifteen (15) miles per hour shall be posted and enforced on the property.
Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

6. **Visible Particulate Emission Limitations**

There shall be no visible particulate emissions from any paved roadways except for a period of time not to exceed one minute during any sixty-minute observation period.

There shall be no visible particulate emission from any unpaved roadway except for a period of time not to exceed three minutes during any sixty-minute observation period.

There shall be no visible particulate emissions from the material storage piles except for a period of time not to exceed one minute during any sixty-minute observation period.

The opacity shall not exceed 20% for more than six minutes during any sixty-minute observation period for emissions from any stack.