

Permit-by-Rule Application (continued)

14. "PERMIT-BY-RULE"

"Permit-by-Rule" Number:		"Permit-by-Rule" Title:
_____	1.	Fuel-burning equipment burning natural gas/LPG and/or distillate oil
_____	2.	Fuel-burning equipment burning natural gas/LPG and/or residual oil
_____	3.	On-Site Power Generation
_____	4.	Concrete Mixing Plants
_____	5. (I)(I).	Hot mix asphalt plants - New asphalt plants permitted to burn natural gas/LPG and/or distillate oil
_____	5.(I)(II).	Hot mix asphalt plants - New and existing asphalt plants permitted to burn natural gas/LPG, distillate oil, and residual oil
_____	6.	Cotton Ginning Operations
_____	7.(ii)(I)	Coating and/or gluing operations - 20,000 pound per 12 consecutive month limit
_____	7.(ii)(II)	Coating and/or gluing operations - 250 gallon per month limit
_____	7.(ii)(III)	Coating and/or gluing operations - 3000 gallon per rolling 12-month period limit
_____	7.(ii)(IV)	Coating and/or gluing operations - tons of HAP and VOC usage limits
_____	8.	Printing Operations
_____	9.	Non-reactive mixing operations
_____	10.	Fiberglass molding and forming operations
_____	11.	Peanut/Nut shelling operations
_____		Other (Specify Number and Title) _____

15. LIST ALL AIR QUALITY PERMITS AND AMENDMENTS TO THESE PERMITS ISSUED TO THIS FACILITY:

Permit Number	Effective Date	Amendment to Permit Number	Effective Date

16. SIGNATURE OF RESPONSIBLE OFFICIAL:

I certify, based on information and belief formed after reasonable inquiry, this facility will obtain Synthetic Minor status by complying with the requirements of the Permit-by-Rule stated above and by ensuring its potential emissions are below Title V Major Source thresholds.

Signature: _____
 Name: _____
 Title: _____
 Date: _____

DO NOT WRITE IN THIS SPACE

Date approved: _____
 Reviewer: _____

Georgia Department of Natural Resources

Environmental Protection Division

Air Protection Branch

Permit-by-Rule Application

December 12, 1996

"Permits-by-Rule"
Rules, Instructions, and Information

Rule 391-3-1-.03 (11) Permit by Rule

(a) General Requirements:

1. Accepting a Permit by Rule does not exempt that facility from the obligation to apply for and obtain a Construction (SIP) Permit and/or an Operating (SIP) Permit unless specifically exempted in the permit by rule. Complying with the requirements of a Permit by Rule does not relieve a facility of having to comply with other requirements of the Rules.

2. The permitting authority may, after notice and opportunity for public participation, issue a Permit by Rule covering numerous similar sources. Any Permit by Rule shall identify criteria and standards by which sources may qualify for the Permit by Rule. Any facility wishing to operate under a Permit by Rule shall certify that in writing to the permitting authority, unless specifically exempted from this requirement in the specific Permit by Rule. To sources that qualify, the permitting authority shall grant the conditions and terms of the Permit by Rule by Certification letter. Notwithstanding the shield provisions of 40 CFR part 70.5 (6)(f), the source shall be subject to enforcement action for operation without a Part 70 Permit if the source is later determined not to qualify for the conditions and terms of the Permit by Rule.

3. It is the responsibility of any facility accepting a "Permit by Rule" to submit a report within 15 days following the last day of any month in which the facility exceeds the annual limit during the previous 12 months or monthly limit during the previous month. The report shall include the following:

- (i) Facility name, ID, and location.
- (ii) The "Permit by Rule" name, number and applicable limits.
- (iii) A summary of the records showing the exceedance along with an explanation.
- (iv) What the facility plans to do to prevent future occurrences.

(b) Permit by Rule Standards:

1. *Fuel-burning equipment burning natural gas/LPG and/or distillate oil*

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with external combustion fuel burning equipment rated at less than or equal to 100 million BTU per hour, with a potential to emit in excess of the Part 70 major source threshold, without existing federally enforceable permit conditions limiting the source to below Part 70 major source thresholds. Facilities for which the only source of regulated air pollutants from external combustion fuel-burning equipment (excluding turbines) is from equipment permitted to burn natural gas/LPG and/or distillate oil exclusively shall be deemed to have a Permit by Rule if the conditions in paragraph (I) and (II) are met. Facilities that have potential emissions of greater than major source thresholds even after this rule is met or are not able to meet the conditions in paragraphs (I) and (II) shall obtain a Part 70 Permit. are not able to meet the conditions in paragraphs (I) and (II) shall obtain a Part 70 Permit.

(I) Monitoring and Recordkeeping. A log of the monthly fuel use must be kept. The total fuel usage for the previous twelve consecutive months must be included in each month's log. Consumption of distillate oil shall be recorded in gallons, consumption of LPG shall be recorded in gallons and consumption of natural gas shall be recorded in cubic feet. This log shall be kept for five years from the date of last entry. The log shall be available for inspection or submittal to the Division.

(II) Fuel Usage. Facility fuel usage shall be limited to 900 million cubic feet of natural gas (or 9.5 million gallons of LPG) and 1.6 million gallons of distillate oil during any twelve consecutive months except in the counties of Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Paulding, and Rockdale, where fuel usage shall be limited to 450 million cubic feet of natural gas (or 4.75 million gallons of LPG) and 800,000 gallons of distillate oil during any twelve consecutive months.

2. Fuel-burning equipment burning natural gas/LPG and/or residual oil

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with external combustion fuel burning equipment rated at less than or equal to 100 million BTU per hour, with a potential to emit in excess of the Part 70 major source threshold without existing federally enforceable permit conditions limiting the source to below Part 70 major source thresholds. Facilities for which the only source of regulated air pollutants from external combustion fuel burning equipment is from equipment permitted to burn only natural gas/LPG and/or residual fuel oil exclusively shall be deemed to have a Permit by Rule if the conditions in paragraph (I) and (II) are met. Facilities that have potential emissions greater than major source thresholds even after this rule is met or are not able to meet the conditions in paragraphs (I) and (II) shall obtain a Part 70 Permit.

(I) Monitoring and Recordkeeping. A log of the monthly fuel use must be kept. The total fuel usage for the previous twelve consecutive months must be included in each month's log. Consumption of residual fuel oil shall be recorded in gallons, consumption of LPG shall be recorded in gallons and consumption of natural gas shall be recorded in cubic feet. This log shall be kept for five years past the date of last entry. The log shall be available for inspection or submittal to the Division..

(II) Fuel Usage. Annual facility fuel usage shall be limited to 1,000 million cubic feet of natural gas (or 10.6 million gallons of LPG) and 400,000 gallons residual fuel oil during any twelve consecutive months except in the counties of Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Paulding, or Rockdale, where fuel usage shall be limited to 400 million cubic feet of natural gas (or 4.25 million gallons of LPG) and 400,000 gallons of residual fuel oil .

3. On-Site Power Generation

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with a potential to emit in excess of the Part 70 major source threshold without existing federally enforceable permit conditions limiting the source to below Part 70 major source thresholds. Facilities that operate fuel-burning equipment for purposes of generating emergency power, peaking power, and/or temporary on-site power and where such equipment burns natural gas/LPG, #1 fuel oil (kerosene/JP4 or JP5) and/or #2 fuel oil/diesel exclusively shall be deemed to have a Permit by Rule if the conditions in paragraph (I) and (II) are met. Facilities that have potential emissions of greater than major source thresholds even after this rule is met or are not able to meet the conditions in paragraphs (I) and (II) shall obtain a Part 70 Permit.

(I) **Monitoring and Recordkeeping.** A log of the monthly total horsepower-hours for the facility based on the number of hours of operation of each unit per month times the maximum horsepower rating of that unit must be included in each month's log. The total horsepower-hours for the previous twelve consecutive months must be included in each month's log. This log shall be kept for five years from the date of last entry. The log shall be available for inspection or submittal to the Division.

(II) **Power Production Limits.** A facility's power generation is limited to a total of no more than 6.7 million horsepower-hours during any twelve consecutive months except in the counties of Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Paulding, and Rockdale counties, where the total is no more than 3.35 million horsepower-hours during any twelve consecutive months.

4. *Concrete and concrete products*

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with a potential to emit in excess of the Part 70 major source threshold without existing federally enforceable permit conditions limiting the source to below Part 70 major source thresholds. Concrete mixing plants shall be deemed to have a Permit by Rule if the conditions in paragraph (I) and (II) are met. Facilities that would otherwise have potential emissions of greater than major source thresholds even after this rule is met or are not able to meet the conditions in paragraphs (I) and (II) shall obtain a Part 70 Permit.

(I) **Monitoring and Recordkeeping.** A log of the monthly production must be kept. The total production for the previous twelve consecutive months must be included in each month's log. This log shall be kept for five years from the date of last entry. The log shall be available for inspection or submittal to the Division.

(II) **Annual Production:** Production on the plant site shall be limited to 600,000 cubic yards during any twelve consecutive months.

5. *Hot mix asphalt plants*

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with external combustion fuel burning equipment rated at less than or equal to 100 million BTU per hour, with a potential to emit in excess of the Part 70 major source threshold without existing federally enforceable permit conditions limiting the source to below Part 70 major source thresholds. Hot mix asphalt plants shall be deemed to have a Permit by Rule if the conditions in paragraph (I) and (II) are met. Facilities that would otherwise have potential emissions of greater than major source thresholds or are not able to meet the conditions in paragraphs (I) and (II) shall obtain a Part 70 Permit.

(I) **Monitoring and Record keeping:**

I. New asphalt plants (which commenced construction or modification after June 11, 1973) permitted to burn natural gas/LPG and/or distillate oil only shall maintain a monthly log of production and hours of operation. The total production and hours of operation for the previous twelve consecutive months must be included in each month's log. These logs shall be kept for five years from the date of last entry and shall be available for inspection and/or submittal to the Division.

II. New and existing asphalt plants permitted to burn natural gas/LPG, distillate oil, and residual oil in any combination shall maintain a monthly log of production, hours of operation and monthly fuel use. The total production, hours of operation and fuel oil usage for the previous twelve consecutive months must be included in each month's log. Fuel oil certifications showing sulfur content equal to or less than 1.5% shall also be maintained. These logs and certifications shall be kept for five years from the date of last entry and shall be available for inspection and/or submittal to the Division

(II) Annual Production.

I. New asphalt plants (which commenced construction or modification after June 11, 1973) permitted to burn natural gas/LPG and/or distillate oil only shall limit:

- A. Production to 400,000 tons during any twelve consecutive months; and
- B. Operations to 3000 hours during any twelve consecutive months.

II. New and existing asphalt plants permitted to burn natural gas/LPG, distillate oil, and residual oil in any combination shall limit:

- A. Production to 200,000 tons during any twelve consecutive months;
- B. Fuel sulfur content to less than or equal to 1.5%;
- C. Operation to 3000 hours during any twelve consecutive months; and
- D. Fuel oil usage to 678,000 gallons during any twelve consecutive months.

6. *Cotton ginning operations*

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with a potential to emit in excess of the Part 70 major source threshold without existing federally enforceable permit conditions limiting the source to below Part 70 major source thresholds. Cotton ginning operations shall be deemed to have a Permit by Rule if the conditions in paragraph (I) and (II) are met. Facilities that have potential emissions greater than major source thresholds even after this rule is met or are not able to meet the conditions in paragraphs (I) and (II) shall obtain a Part 70 Permit.

(I) Monitoring and Record keeping: A log of the monthly production must be kept. The twelve month rolling production total must be included in each month's log. This log shall be kept for five years past the date of last entry. The log shall be available for inspection or submittal to the Division.

(II) Annual Production: Production shall be limited to 65,000 standard bales of cotton during any twelve consecutive months.

7. Coating and/or gluing operations

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with a potential to emit in amounts equal to or exceeding the Part 70 and Part 63 major source thresholds without existing federally enforceable permit conditions limiting the source to below Part 70 or Part 63 major source thresholds. This standard applies only to facilities:.

(I) Where the actual VOC emissions from coating and/or gluing operations represent at least 90 percent of the plant wide actual VOC emissions; and

(II) Where the actual HAP emissions from coating and/or gluing operations represent at least 90 percent of the plant wide actual HAP emissions or where the actual HAP emissions from non-coating and non-gluing operations are less than 1.0 tons per year.

(ii) This standard establishes federally enforceable conditions limiting the potential to emit for VOC and HAPs. Coating and/or gluing operations shall be deemed to have a Permit by Rule if the conditions in one of the following paragraphs (I), (II), (III) or (IV) are met. Facilities that have potential emissions of greater than major source thresholds even after this rule is met or are not able to meet the conditions in paragraphs (I), (II), (III), or (IV) and the remainder of this subsection shall obtain a Part 70 Permit. In accordance with the General Requirements in subparagraph (11)(a)2., the owner or operator of a facility wishing to operate under this Permit-by-Rule must also declare which of the four options are going to be met.

(I) The owner or operator of the source shall consume less than 20,000 pounds of any VOC and/or HAP containing materials during any twelve consecutive months. A log of the monthly consumption of VOC and/or HAP containing material must be kept. The total consumption for the previous twelve consecutive months must be included in each month's log. Records for materials (including but not limited to coatings, thinners, and solvents) shall be recorded in pounds. These records shall be maintained and made readily available for inspection for a minimum of five years upon date of entry and shall be submitted to the Division upon request.

(II) The owner or operator of the facility shall use less than 250 total gallons each month, of coating, gluing, cleaning, and washoff materials at the facility. The owner or operator shall demonstrate compliance by maintaining records of the total gallons of coating, gluing, cleaning, and washoff materials used each month. These records shall be maintained and made readily available for inspection for a minimum of five years upon date of entry and shall be submitted to the Division upon request.

(III) The owner or operator of the source shall use less than 3,000 total gallons per rolling 12-month period, of coating, gluing, cleaning, and washoff materials at the facility. A rolling 12-month period includes the previous 12 months of operation. The owner or operator of the facility shall demonstrate compliance by maintaining records of the total gallons of coating, gluing, cleaning, and washoff materials used each month and the total gallons used each rolling 12-month period. These records shall be maintained and made readily available for inspection for a minimum of five years upon date of entry and shall be submitted to the Division upon request.

(IV) The owner or operator of the facility shall use materials containing less than 5 tons of any one HAP per rolling 12-month period, less than 12.5 tons of any combination of HAPs per rolling 12-month period, less than 25 tons of VOC per rolling 12-month period for sources located in ozone non-attainment counties (Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Paulding, and Rockdale counties), and less than 50 tons of VOC per rolling 12-month period for facilities not located in ozone non-attainment counties. The owner or operator shall demonstrate compliance by maintaining records that demonstrate that annual emissions do not exceed these levels, including monthly usage records for each finishing, gluing, cleaning, and washoff material used to include the VOC and individual HAP content of each material; certified product data sheets for these materials; summation of VOC and individual and total HAP usage on a monthly basis; and the total VOC and individual and total HAP usage each rolling 12-month period and any other records necessary to document emissions. These records shall be maintained and made readily available for inspection for a minimum of five years upon date of entry and shall be submitted to the Division upon request.

(iii) The owner or operator that chooses to comply with this Permit by Rule for Coating and/or Operations shall maintain all purchase orders and/or invoices of materials containing VOC's and HAP's for a minimum of 5 years. These purchase orders and/or invoices must be made available to the Division upon request for use in confirming the general accuracy of the records retained and reports submitted.

(iv) For the purpose of this paragraph, the following definitions apply:

(I) "Certified product data sheet (CPDS)" means documentation furnished by coating or adhesive suppliers or an outside laboratory that provides the HAP content of a finishing material, adhesive, or solvent, by percent weight, measured using the EPA Method 311, or an equivalent or alternative method (or formulation data if the coating meets the criteria specified in 40 CFR 63.805(a)); the solids content of a finishing material or contact adhesive by percent weight, determined using data from the EPA Method 24, or an alternative or equivalent method (or formulation data if the coating meets the criteria specified in 40 CFR 63.805(a)); and the density, measured by EPA Method 24 or an alternative or equivalent method. Therefore, the reportable HAP content should represent the maximum aggregate emissions potential of the finishing material, adhesive, or solvent in concentrations greater than or equal to 1.0 percent by weight or 0.1 percent for HAP that are carcinogens, as defined by the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910), as formulated.

(Note: Because the optimum analytical conditions under EPA Method 311 vary by coating, the coating or adhesive supplier may also choose to include on the CPDS the optimum analytical conditions for analysis of the coating, adhesive, or solvent using EPA Method 311. Such information may include, but not be limited to, separation column, oven temperature, carrier gas, injection port temperature, extraction solvent, and internal standard.)

(II) "Coating" means a protective, decorative, or functional film applied in a thin layer to a surface. Such materials include, but are not limited to, paints, topcoats, varnishes, sealers, stains, washcoats, basecoats, enamels, inks, and temporary protective coatings.

(III) “Gluing” means those operations in which adhesives are used to join components, for example, to apply a laminate to a wood substrate or foam to fabric.

8. *Printing operations*

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with a potential to emit in excess of the Part 70 major source threshold without existing federally enforceable permit conditions limiting the source to below Part 70 major source thresholds. Printing operations shall be deemed to have a Permit by Rule if the conditions in paragraph (I), and (II) are met. Facilities that have potential emissions of greater than major source thresholds even after this rule is met or are not able to meet the conditions in paragraphs (I) and (II) shall obtain a Part 70 Permit.

(I) Monitoring and Record keeping. A log of the monthly consumption of VOC and/or Hazardous Air Pollutant containing material must be kept. The total consumption for the previous twelve consecutive months must be included in each month's log. Records for materials (including but not limited to inks, thinners, and solvents) shall be recorded in pounds. This log shall be kept for five years from the date of last entry. The log shall be available for inspection or submittal to the Division.

(II) Annual consumption. The consumption of any VOC and/or Hazardous Air Pollutant emitting materials (including but not limited to inks, thinners, and solvents) by the facility shall be limited to 20,000 pounds during any twelve consecutive months.

9. *Non-reactive mixing operations*

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with a potential to emit in excess of the Part 70 major source threshold without existing federally enforceable permit conditions limiting the source to below Part 70 major source thresholds. Non-reactive mixing operations shall be deemed to have a Permit by Rule if the conditions in paragraphs (I) through (V) are met. Facilities that have potential emissions of greater than major source thresholds even after this rule is met or are not able to meet the conditions in this rule shall obtain a Part 70 Permit.

(I) Monitoring and Record keeping. A monthly log of materials mixed must be kept. The mixing total for the previous twelve consecutive months must be included in each month's log. Records for materials (including but not limited to coatings, thinners, and solvents) shall be recorded in pounds. This log shall be kept for five years from the date of last entry. The log shall be available for inspection or submittal to the Division.

(II) Annual mixing limit: Materials mixed shall be limited to 500 tons during any twelve consecutive month

(III) Mixing/blending tanks shall be equipped with lids.

(IV) Tank lids must be closed at all times during operation except when charging raw materials, retrieving samples, or discharging finished product.

(V) Mixing tanks must be maintained at a temperature of less than 150EF.

10. *Fiberglass molding and forming operations*

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with a potential to emit in excess of the Part 70 major source threshold without existing federally enforceable permit conditions limiting the source to below Part 70 major source thresholds. Fiberglass molding operations shall be deemed to have a Permit by Rule if the conditions in paragraph (I) and (II) are met. Facilities that have potential emissions greater than major source thresholds even after this rule is met or are not able to meet the conditions in paragraphs (I) and (II) shall obtain a Part 70 Permit

(I) Monitoring and Record keeping. A log of the combined monthly usage of polyester resin and gel coat must be kept. The previous twelve consecutive month material usage total must be included in each month's log. Records for the combined weight of polyester resin and gel coat shall be recorded in pounds. This log shall be kept for five years from the date of last entry. The log shall be available for inspection or submittal to the Division.

(II) Material Usage. Annual facility material usage shall be limited to 89,000 pounds during any twelve consecutive months for any combination of hand and spray lay-up operations. Annual facility material usage shall be limited to 120,000 pounds during any twelve consecutive months for spray lay-up operations only. This material input must represent the combined weight of polyester resin and gel coat used during any twelve consecutive months.

11. *Peanut/Nut shelling operation.*

(i) Notwithstanding any other provision of these Rules, this standard applies to facilities with a potential to emit in excess of the part 70 major source threshold without existing federally enforceable permit conditions limiting the source to below part 70 major source threshold. Peanut/nut shelling facilities shall be deemed to have a Permit by Rule if the conditions in paragraph (I), (II) and (III) are met. Facilities that have potential emissions greater than major source thresholds even after this rule is met or are not able to meet the conditions in paragraph (I), (II) and (III) shall obtain a part 70 Permit.

(I) Monitoring and Recordkeeping. A log of the monthly unshelled peanuts/nuts processed must be kept. The total amount of unshelled peanuts/nuts processed for the previous 12 consecutive months must be included in each month's log. This log shall be kept for five years from the date of last entry. The log shall be available for inspection or submittal to the Division.

(II) Annual Process input: Facility process input shall be limited to 130,000 tons of unshelled nuts during any twelve consecutive months.

(III) Annual hours of operation shall not exceed 5000 hours during any twelve consecutive months.

(ii) For the purposes of this standard, the term process, as it applies to peanut/nut shelling facilities, shall include all of the activities associated with the nut shelling process from nut drying, cleaning, shelling, to and including product and waste material handling at the facility.

Instructions for Completing the "Permit-by-Rule" Application

- Item 1 Provide the full business name of corporation, company, association, society, firm, partnership, individual or political subdivision of the state submitting the application.
- Item 2 If the plant has an additional or different name from the company, include that name here. This may include descriptive names for the plant (ex.- Atlanta Plant, Plant Jones, etc).
- Item 3 Physical site of facility; be specific enough that an inspector can find this facility.
- Item 4 Contact A must be someone at the plant site who will assist on inspections, provide general information about the plant processes (such as plant manager, process engineer, etc.).
- Items 5 - 7 Contacts B, C, and D are additional company contacts such as environmental engineer, company owner, any other contact that the company wants to use.
- Items 8 - 10 Mailing addresses 1, 2, and 3 allow for correspondence to be mailed to the appropriate location. Address 1 must be the plant's mailing address. Addresses 2 and 3 may be any other company office (regional headquarters, main office, etc.)
- Item 11 Standard Industrial Classification Code is a 4 digit code developed for use in the classification of establishments by type of activity in which they are engaged and intended to cover the entire field of economic activities.
- Item 12 Enter the AIRS facility number. This is used by the Air Protection Branch as a unique identifier for the facility.
- Item 13 Using the contact letters and the mailing address numbers, indicate to whom and where mail should be sent. (example: permit applications might go to contact A at address 1.) Note: enter only one contact/address code per correspondence type.
- Item 14 Place a check on the line by the "Permit-by-Rule" the facility will adopt. The "Permit-by-Rule" Number is the number it is given in the regulations. If the appropriate "Permit-by-Rule" is not included on the form check the last line and enter the appropriate "Permit-by-Rule" Number and Title as found in the regulations.
- Item 15 List all current Air Quality Permit numbers and Permit Amendment dates.
- Item 16 "Responsible official" means the designated representative for any purposes under Part 70, i.e., Plant Manager or corporate official.