

**NORTH CAROLINA DIVISION OF  
AIR QUALITY**

**Air Permit Review**

Permit Issue Date: **date 2007**

**Region:** Wilmington Regional Office  
**County:** New Hanover  
**NC Facility ID:** 6500013  
**Inspector's Name:** Ashby Armistead  
**Date of Last Inspection:** 08/15/2006  
**Compliance Code:** C/In Compliance With  
 Procedural Reqr

<b>Facility Data</b>			<b>Permit Applicability (this application only)</b>
<b>Applicant (Facility's Name):</b> CITGO Asphalt Refining Company  <b>Facility Address:</b> CITGO Asphalt Refining Company 3345 River Road Wilmington, NC 28412  <b>SIC:</b> 5169 / Chemicals And Allied Products, Nec <b>NAICS:</b> 42512 / Wholesale Trade Agents and Brokers  <b>Facility Classification: Before:</b> Title V <b>After:</b> Title V <b>Fee Classification: Before:</b> Title V <b>After:</b> Title V			<b>SIP:</b> NA <b>NSPS:</b> NA <b>NESHAP:</b> NA <b>PSD:</b> NA <b>PSD Avoidance:</b> NA <b>NC Toxics:</b> NA <b>112(r):</b> NA <b>Other:</b>
<b>Contact Data</b>			<b>Application Data</b>
<b>Facility Contact</b>	<b>Authorized Contact</b>	<b>Technical Contact</b>	<b>Application Number:</b> 6500013.06A <b>Date Received:</b> 11/20/2006 <b>Application Type:</b> Renewal <b>Application Schedule:</b> TV-Renewal <b>Existing Permit Data</b> <b>Existing Permit Number:</b> 03571/T09 <b>Existing Permit Issue Date:</b> 09/24/2002 <b>Existing Permit Expiration Date:</b> 08/31/2007
Frank White  P.O. Box 1881 Savannah GA, 31402	Gary Laverdure Terminal Manager (910) 799-0483 3345 River Road Wilmington NC, 28412	Gary Laverdure Terminal Manager (910) 799-0483 3345 River Road Wilmington NC, 28412	
<b>Review Engineer:</b> Mark Cuilla  <b>Review Engineer's Signature:</b> <b>Date:</b> <b>date, 2007</b>		<b>Comments / Recommendations:</b> <b>Issue</b> 03571/T10 <b>Permit Issue Date:</b> <b>date, 2007</b> <b>Permit Expiration Date:</b> <b>date, 2012</b>	

**I. Purpose of Application**

This permitting action is a renewal of an existing Title V permit pursuant to 2Q .0513. The existing Title V permit (**03571T09**) was issued on **September 24, 2002**, and is currently scheduled to expire on **August 31, 2007**. The renewal application was received on **November 20, 2006**, or at least nine months prior to the expiration date. Therefore, the existing permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of the existing permit shall remain in effect until the renewal permit has been issued or denied.

**II. Facility Description**

The facility is a bulk liquid asphalt terminal located in Wilmington, NC. The facility consists of a barge dock, pipelines, storage tanks, a truck loading rack, and two steam boilers. Asphalt liquid is received by barge, transported approximately 3750 feet by pipeline from the marine dock into on-site storage tanks and shipped out via tank truck.

### III. History/Background/Application Chronology

**November 20, 2006** – Permit application **6500013.06A** was received and deemed complete for processing.

**March 7, 2007** – DRAFT permit sent to Permittee, Title V Coordinator, and Regional Office for comment prior to the public notice and EPA review periods.

**Date, 2007** – DRAFT permit sent to 30-day public notice and 45-day EPA review.

### IV. Permit Modifications/Changes and ESM Discussion

The following table describes the modifications to the current permit as part of the renewal process.

Page(s)	Section	Description of Change(s)
Attachment	Insignificant Activities	-amended permit revision number
Cover	-	-amended all dates and permit revision numbers
All	Header	-amended permit revision number
4	2.1 A.1.a 2.1 A.1.b 2.1 A.1.c 2.1 A.2.a 2.1 A.2.c 2.1 A.3.a	-added ID Nos. -updated shell language -added ID Nos. -added ID Nos. -added ID Nos. -updated shell language
5	2.1 A.3.b 2.1 A.3.d	-updated shell language -updated shell language and added ID Nos.
6	2.1 B.1.a 2.1 B.1.b 2.1 B.1.c	-added ID Nos. -added ID Nos. -added ID Nos.
7	2.1 B.1.c (continued) 2.1 B.1.d 2.1 B.2.g 2.1 B.2.h 2.1 B.2.i	-updated shell language -added ID Nos. -added ID Nos. -added ID Nos. -added ID Nos.
8	2.1 B.3.a 2.1 B.3.b 2.1 B.3.c	-added ID Nos. -added ID Nos. -added “no reporting” statement
8-16	General Conditions	-updated shell conditions (version 2:19)

The following table indicates the modifications to ESM as a result of this permit renewal:

Current Description	Change resulting from permit renewal
One storage tank (37,137 barrels; <b>ID No. ES-1A</b> )	One external pontoon floating roof-type storage tank (37,137 barrels capacity; <b>ID No. ES-1A</b> )
One storage tank (37,137 barrels; <b>ID No. ES-1B</b> )	One external pontoon floating roof-type storage tank (37,137 barrels capacity; <b>ID No. ES-1B</b> )
One No. 6/No. 5 oil-fired boiler (20.9 million Btu per hour maximum permitted heat input; <b>ID No. ESB-1</b> )	One No. 5 fuel oil/No. 6 fuel oil-fired boiler (20.9 million Btu per hour maximum heat input capacity; <b>ID No. ES-4</b> )
One No. 6/No. 5 oil-fired boiler (20.9 million Btu per hour maximum permitted heat input; <b>ID No. ESB-2</b> )	One No. 5 fuel oil/No. 6 fuel oil-fired boiler (20.9 million Btu per hour maximum heat input capacity; <b>ID No. ES-5</b> )
One external pontoon floating roof ( <b>ID No. CD-1</b> )	Removed description as a control device and incorporated it into the equipment description
One external pontoon floating roof ( <b>ID No. CD-2</b> )	Removed description as a control device and incorporated it into the equipment description
NA	Thirty asphalt storage tanks ( <b>ID Nos. I-1 through I-30</b> )

**V. Regulatory Review**

The facility is currently subject to the following regulations:

- 15A NCAC 2D .0503, Particulates from Fuel Burning Indirect Heat Exchangers
- 15A NCAC 2D .0516, Sulfur Dioxide Emissions from Combustion Sources
- 15A NCAC 2D .0521, Control of Visible Emissions
- 15A NCAC 2D .0925, Petroleum Liquid Storage in Fixed Roof Tanks
- 15A NCAC 2D .0927, Bulk Gasoline Terminals
- 15A NCAC 2D .0933, Petroleum Liquid Storage in External Floating Roof Tanks

A regulatory review for these existing requirements will not be included in this document. No new regulations are proposed as part of this permit renewal.

**VI. NSPS, NESHAPS/MACT, PSD, 112(r), CAM**

**NSPS** – The facility is not currently subject to a New Source Performance Standard. This permit renewal does not affect this status.

**NESHAPS/MACT** – The facility is classified as a Title III minor source; therefore, MACT does not apply. This permit renewal does not affect this status.

**PSD** – The facility is not currently subject to a Prevention of Significant Deterioration standard or to a PSD Avoidance condition. This permit renewal does not affect this status.

**112(r)** – The Permittee is not subject to the 112(r) “Prevention of Accidental Releases” requirements because he does not store any chemicals in amounts greater than the applicability threshold.

**CAM** – 40 CFR 64 requires that a continuous compliance assurance monitoring plan be developed for all equipment located at a major facility, that have pre-controlled emissions above the major source threshold, and use a control device to meet an applicable standard. Per the applicability of Part 64, Compliance Assurance Monitoring, the Permittee is not subject to any CAM requirements because it currently does not “use a control device to achieve compliance with any emission limitation or standard.”

**VII. Facility Wide Air Toxics**

The facility is not currently subject to NC Air Toxics. This permit renewal does not affect this status.

**VIII. Facility Emissions Review**

There is no change in emissions for this renewal.

The following table represents the latest years emission inventory from the facility:

<b>Pollutant(s)</b>	<b>2005 Actual Emissions (tpy)</b>
CO	1.60
NO <sub>x</sub>	17.52
PM <sub>10</sub>	2.73
SO <sub>2</sub>	72.50
VOC	0.09
Total HAP/TAP	0.709

**IX. Stipulation Review**

WIRO did not specify any needed permit modifications. Nor does the latest inspection report indicate any necessary changes at this time.

**X. Public Notice/EPA and Affected State(s) Review**

Pursuant to 15A NCAC 2Q .0521, a notice of the DRAFT Title V Permit shall be placed in a newspaper of general circulation in the area where the facility is located. The notice will provide for a 30-day comment period, with an opportunity for a public hearing. Copies of the public notice shall be sent to persons on the Title V mailing list and EPA. Pursuant to 15A NCAC 2Q .0522, a copy of each permit application, each proposed permit and each final permit shall be provided to EPA. Also pursuant to 2Q .0522, a notice of the DRAFT Title V Permit shall be provided to each affected State at or before the time notice provided to the public under 2Q .0521 above. South Carolina is an affected State within 50 miles of this facility.

**XI. Conclusions, Comments, and Recommendations**

A professional engineer's seal was not required for this renewal.

A consistency determination was not required for this renewal.

WIRO recommends issuance of the permit and was presented with a DRAFT permit prior to notice and issuance.

RCO concurs with WIRO's recommendation to issue the renewed air permit.