



Department of Environmental Protection

FILE COPY

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

AIRS I.D. Number: 0050045
Air Permit Number: 0050045-003-AO
Emission Units: 009, 010, 011
Date of Issue: October 29, 1997
Amended: December 15, 1997
Expiration Date: October 29, 2002
County: Bay
Project: Bulk Gasoline Terminal

William B. Lee III
Environmental and Safety Manager I
CITGO Petroleum Corporation
P. O. Box 47427
Doraville, GA 30362

Dear Mr. Lee:

This is in response to your letter of November 10, 1997 regarding your Bulk Gasoline Terminal in Panama City, Source I.D. 0050045, Air Permit 0050045-003-AO. In the letter you requested a change in the test requirements specified in Specific Condition 11.

By this letter permit Air Permit 0050045-003-AO is amended as follows:

Specific Condition 11, first paragraph, is changed from:

11. Emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Volatile Organic Compounds (VOCs) tests shall be conducted on the Vapor Combustion Unit in accordance with EPA method 25A. Such tests shall be conducted once prior to permit renewal, within 60 days before May 31, 2001. Annual VOC leak tests shall be conducted on the Vapor Collection System in accordance with EPA Method 21 and annual Visible Emissions Tests shall be conducted on the Vapor Combustion Unit in accordance with EPA Method 22. The annual VOC leak and VE tests shall be conducted within 60 days before May 31 of each year. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

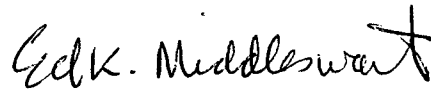
To:

11. Emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Volatile Organic Compounds (VOCs) emissions compliance tests shall be conducted on the Vapor Combustion Unit (VCU) in accordance with the applicable test methods and procedures under 40 CFR 60.503(a) through (d), including, but not limited to, total organic compound concentration testing done by EPA method 25A or 25B, VOC leak tests conducted on the Vapor Collection System in accordance with EPA Method 21, and exhausted air-vapor mixture

volume determined by EPA Method 2B. These tests shall be conducted at least once prior to permit renewal, at the latest 60 days before May 31, 2001. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
[Rules 62-297.310(7)(a)3., 62-297.401, and 62-204.800(7)(b)52., F.A.C., and 40 CFR 60.503]

All other specific conditions of this permit remain in effect. This letter shall be attached to and made part of Air Operating Permit 0050045-003-AO.

Sincerely,



Ed K. Middleswart, P.E.
Air Program Administrator

EKM:asc

cc: DEP Division of Air Resources Management, Tallahassee
DEP Northwest District Branch Office, Panama City



Department of Environmental Protection

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FILED
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PERMITTEE:

CITGO Petroleum Corporation

AIRS I.D. Number: 0050045
Air Permit Number: 0050045-003-AO
Emission Units: 009, 010, 011
Date of Issue: October 29, 1997
Expiration Date: October 29, 2002
County: Bay
Project: Bulk Gasoline Terminal

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 62-4, 62-210, 62-296 and 62-297. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Operating permit for bulk petroleum terminal consisting of a loading rack with a Vapor Combustion Unit, Gasoline Storage Tanks, Distillate Storage Tanks, Additive Storage Tanks, Process Tanks, a Petroleum Contacted Water (PCW) Tank and Fugitive Emissions. Process and emission limitations makes this a Synthetic Non-Title V Facility, with total Volatile Organic Compounds (VOCs) estimated at 69.51 tons per year and Hazardous Air Pollutants (HAPS) estimated at 11.41 tons per year based on maximum allowable product throughputs.

The Loading Rack's VOC emissions are controlled by a vapor combustion unit. The Vapor Combustion Unit (VCU) is manufactured by John Zink, model GV-ZTOF-69600-2, and is designed to operate at the rate of 9,600 gallons per minute. VOC emissions from the loading rack are estimated at 45.67 tons per year and HAPS are estimated at 7.42 tons per year.

There are five Gasoline Storage Tanks, numbers 2, 3, 4, 5 and 7. These tanks are sized at 554,400 gallons, 739,200 gallons, 1,314,600 gallons, 1,314,600 gallons and 2,041,200 gallons respectively for tanks 2, 3, 4, 5 and 7. Tanks 2, 3, 4 and 5 have external floating roofs while tank 7 has an internal floating roof. VOC emissions from these sources are estimated at 14.987 tons per year of which 2.564 tons per year are HAPS.

0050045-003-AO

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"Protect, Conserve and Manage Florida's Environment and Natural Resources"

PERMITTEE:

CITGO Petroleum Corporation

AIRS I.D. Number: 0050045

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There are two Distillate Storage Tanks, numbers 1 and 6. These tanks are sized at 739,200 gallons and 554,400 gallons respectively for tanks 1 and 6. Both tanks have external floating roofs. These tanks store No. 2 Fuel Oil. VOC emissions are estimated at 0.082 tons per year and HAPS are estimated at 0.012 tons per year.

There are four Additive Storage Tanks, numbers 8, 9, 10 and 11. These tanks are sized at 10,575 gallons, 3,000 gallons, 4,000 gallons and 2,000 gallons respectively for tanks 8, 9, 10 and 11. All these tanks have horizontal fixed roofs and are used to store additives. VOC emissions are estimated at 1.822 tons per year and HAPS are estimated at 0.212 tons per year.

Process Tanks P-1 and P-2 are used in daily routine operations and for emergency spill containment. These tanks are sized at 4,000 gallons and 4,900 gallons for tanks P-1 and P-2 respectively. VOC emissions are estimated at 0.97 tons per year and HAPS are estimated at 0.167.

The Petroleum Contacted Water (PCW) Tank 14 is used to store PCW and was previously sized at 42,000 gallons. Tank 14 is retrofitted with a volume-limiting device in order to be exempt under 40 CFR 60.116b(b) from NSPS control requirements of Subpart Kb. VOC emissions from Tank 14 are estimated at 4.98 tons per year and HAPS are estimated at 0.92 tons per year.

The facility fugitive emissions are from piping and equipment leaks. VOC emissions from these sources are estimated at 1.00 tons per year and HAPS are estimated at 0.172 tons per year.

Operation of this source shall be consistent with construction permit 0050045002AC issued November 18, 1996, amended July 7, 1997 and operating permit application signed August 21, 1997 with associated documents in file.

Located: 122 South Center Avenue, Panama City, Bay County

PERMITTEE:

CITGO Petroleum Corporation

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Expiration Date: October 29, 2002

SPECIFIC CONDITIONS:

General

1. The attached General Conditions are part of this permit. [FAC Rule 62-4.160]
2. Air Construction Permit 0050045-002-AC, and Air Operating Permits AO03-215385 and AO03-181074 are hereby rescinded and replaced by this permit.

Operation

3. The maximum hours of operation are 8760 hours/year. [Construction permit application received June 17, 1996 and FAC Rule 62-4.070(3)]
4. The maximum allowable operating rate of the loading rack is 88,000 gallons per hour. This is the operating rate at which compliance with standards shall be demonstrated, using gasoline as the product. VOC and HAPs emissions shall be controlled by limiting the maximum allowable annual throughput of petroleum liquids through the loading rack as noted:

| | |
|------------|-------------------------|
| Gasoline | 208.218 million gallons |
| Distillate | 36.286 million gallons |
| Additives | 20.822 million gallons |

[FAC Rule 62-4.070 and construction permit application received June 17, 1996]

5. All tanks, vats, containers, etc., that are used for temporary and permanent storage of VOC/organic solvents shall be covered to prevent vaporization of VOC when not in use. All equipment, pipes, hoses, lids, fittings, etc., shall be operated/maintained in such a manner as to minimize leaks, fugitive, emissions, and spills of VOC materials. [FAC Rule 62-296.320(1)(a)]
6. All applicable requirements of Title 40, Code of Federal Regulations, Part 60, Subpart XX, Standards of Performance for Bulk Gasoline Terminals (40 CFR 60), shall be met. [FAC Rule 62-204.800(7)] Specifically this shall include:
 - A. Paragraph 60.502 for allowed emissions, loadings limited to vapor-tight tank truck, truck vapor-tight documentaion, compliance verification, notification of non-compliance, proper hookup, maximum pressure during loading, leak detection and repair records.

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SPECIFIC CONDITIONS:

[6. (cont.'d)]

B. Paragraph 60.503 for installation and calibration of a pressure measuring device.

C. Paragraph 60.505 for record keeping of truck vapor-tightness, leak inspections, leak repairs and notification of non-vapor-tight truck owners.

The compliance testing requirements of paragraph 60.503(c) may be waived if post-construction VOC testing shows the system capable of compliance with standards.

Emissions

7. The manner, nature, volume and frequency of permitted emissions, applicable emissions limiting standards (if any) and allowable emissions are listed as per FAC Rule 62-210.300(2)(a):

| <u>Emission</u> | <u>FAC Rule</u> | <u>Allowable Quantity Emitted</u> |
|---------------------|------------------|--|
| VOC | 62-204.800(7)(b) | 35 mg VOC vapors per liter of VOC liquid transferred |
| Objectionable Odors | 62-296.320(2) | None allowed off plant property |
| VE (VCU) | 62-204.800(7)(b) | Not more than 5% opacity. |

8. Individual source numbers, service, and control equipment are as follows:

| <u>Source</u> | <u>I.D. No.</u> | <u>Service</u> | <u>Size(GAL)</u> | <u>Control</u> |
|---------------|-----------------|------------------|------------------|------------------------|
| Tank 7 | 010 | Gasoline | 2,041,200 | Int. Floating Roof |
| Loading Rack | 009 | ----- | ----- | VCU |
| Tank 2 | 010 | Gasoline | 554,400 | Ext. Floating Roof |
| Tank 3 | 010 | Gasoline | 739,200 | Ext. Floating Roof |
| Tank 4 | 010 | Gasoline | 1,314,600 | Ext. Floating Roof |
| Tank 5 | 010 | Gasoline | 1,314,600 | Ext. Floating Roof |
| Tank 1 | 011 | Distillate | 739,200 | Ext. Floating Roof |
| Tank 6 | 011 | Distillate | 554,400 | Ext. Floating Roof |
| Tank 8 | 011 | Additives | 10,575 | Horiz. Fixed Roof |
| Tank 9 | 011 | Additives | 3,000 | Horiz. Fixed Roof |
| Tank 10 | 011 | Additives | 4,000 | Horiz. Fixed Roof |
| Tank 11 | 011 | Additives | 2,000 | Horiz. Fixed Roof |
| Tank 14 | 011 | PCW | (see note) | Internal Floating Roof |
| P-1 | 011 | Process | 4,000 | Horiz. Fixed Roof |
| P-2 | 011 | Process | 4,900 | Horiz. Fixed Roof |
| Fugitives | 011 | Piping/Equipment | ----- | Leaks |

(Note: Tank 14 working volume limited to less than 19,819 gals by new volume-limiting device)

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SPECIFIC CONDITIONS:

[8. (cont.'d)]

Service may be changed to lesser volatile products without prior notification to the Department; however, service changes to more volatile products require the Department's prior approval. [FAC Rule 62-4.070]

9. This source shall be operated in such a fashion so as to preclude objectionable odors. No objectionable odors shall be allowed off plant property. If the Department determines the facility is emitting objectionable odors, the Permittee shall submit an odor remediation plan within 45 days of receipt of written notification from the Department. The plan shall include, but not be limited to, dispersion modeling analysis, strategies to reduce odorous chemicals utilization, and modifications of manufacturing production cycles, manufacturing methods and/or plant exhaust systems. [FAC Rule 62-296.320(2)]

10. Reasonable precautions shall be taken to prevent emissions of unconfined particulate matter. Reasonable precautions shall include, but are not limited to, the following:

- a. Maintenance of roads, parking areas and yards.
- b. Application of water or other dust suppressants when necessary to control emissions.
- c. Removal of particulate matter from roads and other paved areas under control of the owner or operator, and from buildings or work areas to prevent reentrainment.
- d. Permittee will protect dust transfer points and transport and storage containers from wind action which might make dust airborne.

[FAC Rule 62-296.320(4)(c), FAC Rule 62-4.070]

Testing

11. Emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Volatile Organic Compounds (VOCs) tests shall be conducted on the Vapor Combustion Unit in accordance with EPA method 25A. Such tests shall be conducted once prior to permit renewal, within 60 days before May 31, 2001. Annual VOC leak tests shall be conducted on the Vapor Collection System in accordance with EPA Method 21 and annual Visible Emissions Tests shall be conducted on the Vapor Combustion Unit in accordance with EPA Method 22. The annual VOC leak and VE tests shall be

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SPECIFIC CONDITIONS:

[11. (cont.'d)]

conducted within 60 days before May 31 of each year. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

Test reports shall comply with F.A.C. Rule 62-297.310(8), Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 62-297.310(7). Other test methods and alternate compliance procedures may be used only after prior Departmental approval has been obtained in writing.

Testing of emissions shall be conducted for a 6-hour period during which at least 300,000 liters (79,260 gallons) of gasoline is loaded or the test may be resumed on the next day with another complete 6-hour period in which the highest throughput normally occurs. [FAC Rule 62-296.340]

Administrative

12. The Permittee shall maintain records for all stored materials which show the annual throughput and emissions for the facility, individual tanks, and the loading rack. [FAC Rule 62-4.070]

13. To meet the exemption requirements under 40 CFR 60 Subpart Kb, permittee shall keep a copy on-site of the submission required by Specific Condition No. 19 of 0050045002AC, i.e. the drawings and calculations signed and sealed by a Professional Engineer registered in the State of Florida, showing that Tank 14 is retrofitted with a volume-limiting device that permanently limits storage capacity to less than 75 M³ (19,819 gallons). A copy of the calculations shall be kept on-site and made available for Department inspection. [FAC 62-204.800(7), 40 CFR 60.116b(b), construction permit application modification request - letters of March 23, 1997 and May 4, 1997]

14. An annual operating report for air pollutant emitting facility, DEP Form 62-210.990(5), shall be submitted by March 1st of each year. A copy of the form and instructions may be obtained from the Department of Environmental Protection, Northwest District, Air Resources Management Program, (904) 444-8364. [FAC Rule 62-210.370]

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SPECIFIC CONDITIONS:

15. The permanent source identification numbers for these point sources are as follows:

| | |
|-----|------------------------------|
| 009 | Loading Rack, VCU |
| 010 | Gasoline Tanks 2, 3, 4, 5, 7 |
| 011 | Distillate Tanks 1 and 6 |
| | Additive Tanks 8, 9, 10, 11 |
| | Tank 14 - PCW Handling |
| | Process Tanks P-1, P-2 |
| | Fugitive Emissions |

Please cite these numbers on all test reports and other correspondence specific to these permitted point sources. [FAC Rule 62-297.570]

16. Sixty days prior to the expiration date of this operation permit, the Permittee shall submit four permit renewal applications using the current version of the renewal form along with the processing fee established in FAC Rule 62-4.050(4) to the Northwest District office of the Department. [FAC Rule 62-4.090]

17. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (850) 444-8364, day or night, and for emergencies involving a significant threat to human health or the environment is (850) 488-1320. For routine business, use telephone number (850) 872-4375 during normal working hours. [FAC Rule 62-210.700]

Expiration Date:

Issued this 29th day of Oct.,
1997.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



ED K. MIDDLESWART, P.E.
Air Program Administrator