

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

CENTRAL FLORIDA DISTRICT

3319 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803-3767



BOB MARTINEZ
GOVERNOR
DALE TWAGHTMAN
SECRETARY
ALEX ALEXANDER
DISTRICT MANAGER

Permittee:
Central Florida Pipeline Corp.
100 GATX Drive
Tampa, FL 33605

Attention: Ralph Baker,
Florida Operations Manager

I. D. Number:
Permit/Certification
Number: AO48-126131
Date of Issue: 4/8/87
Expiration Date: 3/24/92
County: Orange
Latitude/Longitude:
28°25'19"N/81°22'01"W
UTM: 17-463.8 KmE
UTM: 3143.8 KmN
Project: Five (5) Loading Racks

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2. The above named 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:

The permittee can operate Five (5) Loading Racks to bottom load petroleum products into truck tanks as follows:

Loading Rack

T1 (Triangle)
→ T2 (Triangle C)
TX3 (Texaco)
✓ C4 (Chevron)
✓ TN6 (Tenneco)

Fill Connections

10 gasoline/2 diesel
10 gasoline/2 diesel
6 gasoline/2 diesel
6 gasoline/2 diesel/2 kerosene
6 gasoline/2 diesel

Gasoline VOC emissions are controlled by a Carbon Adsorption Vapor Recovery Unit manufactured by John Zink Company that is 95+% efficient.

These sources are located at the Central Florida Pipeline Corporation facility at 9919 Palm Avenue in Taft, Orange County, Florida.

General Conditions are attached to be distributed to the permittee only.

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Central Florida Pipeline Corp.

Attention: Ralph Baker,
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SPECIFIC CONDITIONS:

1. No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor pursuant to Rule 17-2.620(2) F.A.C. Objectionable odor is defined as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance pursuant to Rule 17-2.100(131) F.A.C. Odor is defined as a sensation resulting from stimulation of the human olfactory organ pursuant to Rule 17-2.100(132) F.A.C.
2. There shall be no discharges of liquid effluents or contaminated runoff to surface or ground water without prior approval from this office.
3. All unconfined emissions of particulate matter generated at this site shall be adequately controlled. (Rule 17-2.610(3), F.A.C.) Area must be watered down should unconfined emissions occur.
4. This permit does not preclude compliance with any applicable local permitting requirements and regulations.
5. These sources are permitted to operate 8,760 hours/year.
6. The following maximum dispensing rates shall apply to each of the referenced fill connections:

<u>Fill Connection</u>	<u>Rates</u>
a. Two gasoline at Loading Rack T1 (Triangle)	6,400 gallons/hour or 117,000 barrels/year
b. One gasoline at Loading Rack T2 (Triangle C)	6,400 gallons/hour or 117,000 barrels/year

7. The following Loading Racks and fill connections are subject to an NSPS emission limitation of 35 mg total organic compounds per liter of gasoline loaded:
 - a. T1 (Triangle) - 2 gasoline fill connections
 - b. T2 (Triangle C) - 10 gasoline fill connections
 - c. TX3 (Texaco) - 3 gasoline fill connections
 - d. TN6 (Tenneco) - 4 gasoline fill connections

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8. The following Loading Racks and fill connections are subject to an emission limitation of 80 mg total organic compounds per liter of gasoline loaded (Rule 17-2.650(1)(f)10.b, F.A.C.):

- a. T1 (Triangle) - 8 gasoline fill connections
- b. TX3 (Texaco) - 3 gasoline fill connections
- c. C4 (Chevron) - 6 gasoline fill connections
- d. TN6 (Tenneco) - 2 gasoline fill connections

9. These sources will be tested for VOC emissions yearly from the date of October 19, 1986 in accordance with Rule 17-2.700(6)(c) 2.b.(i), F.A.C. (EPA 450/2-77-026, Appendix A) with a minimum dispensing of 80,000 gallons of gasoline during the test and a minimum sampling time of (6) hours of operation with a loading rate of at least 75% of the capacity of the loading equipment or the maximum loading rate available as limited by the number of trucks which the terminal services on a high rate day, whichever rate is greater.

A. During the test all loading racks shall be open for each product line which is controlled by the system under test.

B. Simultaneous use of more than one loading rack shall occur to the extent that such use would normally occur.

C. Simultaneous use of more than one dispenser of each loading rack shall occur to the extent that such use would normally occur.

D. Dispensing rates shall be set at the maximum rate at which the equipment is designed to be operated. Automatic product dispensers are to be used according to normal operating practices.

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10. Compliance with the emission limitation for these sources will be calculated by using a weighted average emission limit for all racks and gasoline fill connections controlled by the vapor recovery unit.

Sample Calculation:

75% of total gasoline pumped during test was from the racks and gasoline fill connections with allowable emissions of 80 mg/liter and 25% of total gasoline pumped during test was from racks and gasoline fill connections with allowable emissions of 35 mg/liter.

Allowable emission for all racks and gasoline fill connections would be $.75(80) + .25(35) = 68.75$ mg/liter.

11. Orange County Environmental Protection Department shall be notified at least fifteen (15) days in advance of the compliance tests so that they may be witnessed.
12. The required test report shall be filed with Orange County Environmental Protection Department as soon as practical but no later than 45 days after the last test is completed.
13. The Vapor Recovery Unit should be properly operated and maintained (Rule 17-2.210(2) F.A.C.). No person shall circumvent any pollution control device or allow the emissions of air pollutants without the applicable air pollution control device operating properly (Rule 17-2.240 F.A.C.).
14. When the department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Chapter 17-2, F.A.C. or in this permit is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the department.
15. Hazardous wastes generated in connection with any of the sources at this facility must be disposed of in accordance with Rule 17-30, F.A.C.

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SPECIFIC CONDITIONS:

16. No person shall load gasoline into any tank trucks or trailer from any bulk gasoline terminal unless (Rule 17-2.650(1)(f) 10.c., F.A.C.):

- A. Displaced vapors and gases are vented only to the vapor control system; and,
- B. A means is provided to prevent liquid waste from the loading device to exceed the quantity specified for the self sealing coupler or adapter according to API regulation RP 1004 (or equivalent) upon the loading device being disconnected or when it is not in use (the above referenced are available from the American Petroleum Institute, 2101 "L" Street, Northwest, Washington, D.C. 20037); and,
- C. All loading and vapor lines equipped with fittings are vapor tight; and,
- D. The bulk gasoline terminal is equipped with a vapor control system, capable of complying with Rule 17-2.650(1)(f)10., properly installed, in good working order, in operation, and consisting of one of the following:
 - (a) A vapor recovery system which processes and recovers vapors and gases from the equipment being controlled:
 - or
 - (b) a vapor collection system which directs all vapors to a fuel system.

17. The following limitation shall apply (Rule 17-2.700(6)(c)2.b.ii, F.A.C.).

During loading or unloading operations at bulk plants and bulk terminals, there shall be no reading greater than or equal to 100 percent of the Lower Explosive Level (LEL, measured as propane) at 1-inch (2.5 centimeters) around the perimeter of a potential leak source as detected by a combustible gas detector using the procedure described in Appendix B of EPA 450/2-78-051, "Control of Volatile Organic Compounds from Gasoline Tank Trucks and Vapor Collection Systems."

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SPECIFIC CONDITIONS:

18. Each calendar year on or before March 1, submit for this facility, an Annual Operations Report DER Form 17-1.202(6) for the preceding calendar year in accordance with Rule 17-4.14, F.A.C.
19. An operation permit renewal must be submitted at least 60 days prior to the expiration date of this permit (Rule 17-4.09, F.A.C.).

ISSUED APR 8 1987

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

cm c *Alexander*

A. Alexander, P.E.
District Manager
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803
(305) 894-7555



Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767 • 407-894-7555

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary
Alex Alexander, Deputy Assistant Secretary

Permittee:
Belcher Oil Company
Post Office Box 025500
Miami, FL 33102-5500

Attention: Alberto N. Espino
Senior Vice President

I. D. Number:
Permit/Certification
Number: A005-157856
Date of Issue:
Expiration Date: 2/10/94
County: Brevard
Latitude/Longitude:
28°24'24"N/80°36'09"W
UTM: 17-538.98 KmE; 3142.0 KmN
Project: South Loading Racks
(SLR) "A" and "B"

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2. The above named 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:

The permittee can operate South Loading Racks (SLR) "A" and "B" with the following dispensing connections;

SLR "A" (the North-Easterly rack) - (2) gasoline; (1) diesel; (1) jet "A"; and, (1) ethanol.
S:R "B" - (2) gasoline; (1) diesel; and, (1) ethanol.

VOC emissions from the loading racks are controlled by an air-assisted Vapor Flare Unit manufactured by Zeeco, Inc. Emissions from the loading racks pass through a hydraulic seal and a flame arrester prior to disposal in the Vapor Flare Unit. The flare burner consists of four arrays of six one inch diameter tubes each, arranged in a square configuration. An automatic pilot light fueled by propane is monitored by a thermocouple detector to ensure that loading cannot be accomplished unless a flame is present. The flare is enclosed by a shroud approximately 10 feet in diameter and 30 feet high and provides a VOC reduction efficiency of 99.5 percent.

This source is located at the Belcher Oil facility, East Terminal North Atlantic Avenue, Port Canaveral, Brevard County, Florida.

General Conditions are attached to be distributed to the permittee only.

PERMITTEE:
Belcher Oil Company

Attention: Alberto N. Espino
Senior Vice President

I. D. Number:
Permit/Certification Number:
A005-157856
Date of Issue:
Expiration Date: 2/10/94

SPECIFIC CONDITIONS:

1. No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor pursuant to Rule 17-2.620(2) F.A.C. Objectionable odor is defined as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance pursuant to Rule 17-2.100(131) F.A.C. Odor is defined as a sensation resulting from stimulation of the human olfactory organ pursuant to Rule 17-2.100(132) F.A.C.
2. There shall be no discharges of liquid effluents or contaminated runoff to surface or ground water without prior approval from this office.
3. All unconfined emissions of particulate matter generated at this site shall be adequately controlled. (Rule 17-2.610(3), F.A.C.) Area must be watered down should unconfined emissions occur.
4. This permit does not preclude compliance with any applicable local permitting requirements and regulations.
5. The combined, maximum average flow rate allowed from South Loading Racks (SLR) "A" and "B" in any one 24 hour period is 25,850 gallons/hour gasoline only and 28,516 gallons/hour all products. A combined maximum peak flow of 68,000 gallons/hour of gasoline is allowed from SLR "A" and "B". The combined, annual gasoline throughput of SLR "A" and "B" shall not exceed 3,600,000 barrels per year.
6. The Vapor Flare Unit is expected to emit 18.35 tons/year of Volatile Organic Compounds.
7. Maximum allowable VOC emissions from the Vapor Flare Unit servicing SLR "A" and "B" shall not exceed 35 mg/liter of gasoline dispensed. The combined maximum annual VOC emission from SLR "A" and "B" shall not exceed 22.2 tons/year. Reference Rule 17-2.660(2) F.A.C., Subpart XX.
8. No person shall load gasoline into any tank trucks or trailer from any bulk gasoline terminal unless:
 - (a) Displaced vapors and gases are vented only to the vapor control system; and

PERMITTEE:
Belcher Oil Company

Attention: Alberto N. Espino
Senior Vice President

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SPECIFIC CONDITIONS:-

- (b) A means is provided to prevent liquid waste from the loading device to exceed the quantity specified for the self sealing coupler or adapter according to API regulation RP 1004 (or equivalent) upon the loading device being disconnected or when it is not in use (the above referenced are available from the American Petroleum Institute, 2101 "L" Street, Northwest, Washington, D.C. 20037); and
 - (c) All loading and vapor lines equipped with fittings are vapor tight; and
 - (d) The bulk gasoline terminal is equipped with a vapor control system, properly installed, in good working order, and in operation.
9. The Test Methods and Operating Procedures shall be as follows:
- (a) The Vapor Flare Unit shall be operated with no visible emissions as determined by EPA Method 22 except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. The observation period shall be 2 hours. During testing, the truck tanks and fittings shall be checked for leaks with a LEL meter - Rule 17-2.700(6)(c)2.b.iiia, F.A.C.
 - (b) Flares shall be operated with a flame present at all times when VOC's are being emitted from the unit. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.
 - (c) The net heating value of the gas being combusted must be:
 - 11.2 MJ/scm (300 BTU/scf) or greater if the flare is steam assisted or is air assisted; or,
 - 7.45 MJ/scm or greater if the flare is nonassisted.

The net heating value of the gas being combusted shall be determined and reported as part of compliance testing.
 - (d) Air-assisted flares shall be operated with an exit velocity less than the Velocity, V_{Max} , as determined by the following equation:
 - $V_{Max} = 8.706 + 0.7084 (H_t)$.
 - V_{Max} = Maximum permitted velocity, m/sec. at the holes in the sparger.
 - 8.706 = Constant.
 - 0.7084 = Constant
 - H_t = The net heating value as determined or shown in MJ/scm.

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SPECIFIC CONDITIONS:

- (e) The owner shall monitor the Vapor Flare Unit to ensure that it is operated and maintained in conformance with its design.
 - (f) Closed vent systems and control devices used to comply with the emission limitation shall be operated at all times when emissions may be vented to them.
10. The Vapor Flare Unit system should be maintained to operate at its permitted collection efficiency at all times.
 11. Failure to properly maintain and operate the Vapor Flare Unit or the associated vapor recovery system in accordance with permit conditions or the design specifications may result in the requirement to test the Vapor Flare Unit for VOC emissions in accordance with methods determined by the department.
 12. The Loading Racks and Vapor Flare Unit must be tested at yearly intervals from the date of October 30, 1987 for emissions in accordance with EPA Method 22 with a loading rate of at least 75% of the capacity of the loading equipment or the maximum loading rate available as limited by the number of trucks which the terminal services on a high rate day, whichever rate is greater.
 - a. During the test all loading racks shall be open for each product line which is controlled by the system under test.
 - b. Simultaneous use of more than one loading rack shall occur to the extent that such use would normally occur.
 - c. Simultaneous use of more than one dispenser on each loading rack shall occur to the extent that such would normally occur.
 - d. Dispensing rates shall be set at the maximum rate at which the equipment is designed to be operated. Automatic product dispensers are to be used according to normal operating practices.
 13. This office (Florida Department of Environmental Regulation, Air Permitting, Orlando) shall be notified at least fifteen (15) days in advance of the compliance tests so that we can witness them (Rule 17-2.700(2)(a)5, F.A.C.).

PERMITTEE:
Belcher Oil Company

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SPECIFIC CONDITIONS: _____

14. The type and amount of fuels being loaded must be entered on the test report.
15. The required test report shall be filed with the department as soon as practical but no later than 45 days after the last sampling run of each test is completed (Rule 17-2.700(7)(a),(b) and (c), F.A.C.).
16. Each calendar year on or before March 1, submit for each source, an Annual Operations Report DER Form 17-1.202(6) for the preceding calendar year in accordance with Rule 17-4.14, F.A.C.
17. Hazardous wastes generated in connection with any of the sources at this facility must be disposed of in accordance with Rule 17-30, F.A.C.
18. An operation permit renewal must be submitted at least 60 days prior to the expiration date of this permit (Rule 17-4.09, F.A.C.).

ISSUED 2-21-83

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

cmc 
A. Alexander
Deputy Assistant Secretary
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803