ADEQ
MINOR SOURCE
AIR PERMIT

Permit #: 1227-AR-7

IS ISSUED TO:

Cross Oil Refining & Marketing, Inc.
484 East 6th Street
Smackover, AR 71762
Union County
CSN: 70-0039

THIS PERMIT IS YOUR AUTHORITY TO CONSTRUCT, MODIFY, OPERATE, AND/OR MAINTAIN THE EQUIPMENT AND/OR FACILITY IN THE MANNER AS SET FORTH IN THE DEPARTMENT'S MINOR SOURCE AIR PERMIT AND YOUR APPLICATION. THIS PERMIT IS ISSUED PURSUANT TO THE PROVISIONS OF THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT (ARK. CODE ANN. SEC. 8-4-101 ET SEQ.) AND THE REGULATIONS PROMULGATED THEREUNDER, AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

_____ October 29, 2002

SECTION I: FACILITY INFORMATION

PERMITTEE:	Cross Oil Refining & Marketing, Inc.
CSN:	70-0039
PERMIT NUMBER:	1227-AR-7
FACILITY ADDRESS:	484 East 6th Street Smackover, AR 71762
COUNTY:	Union
CONTACT POSITION:	Charlie Clark
TELEPHONE NUMBER:	(870) 725-3611
FAX NUMBER:	(870) 725-2997
REVIEWING ENGINEER:	Charles Hurt
UTM North-South (Y):	Zone 15 [3691.5]
UTM East-West (X):	Zone 15 [526.8]

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SECTION II: INTRODUCTION

Summary

Cross Oil Refining and Marketing, Inc. (CORC) operates an oil refinery at 484 East Sixth Street in Smackover, Union County, Arkansas 71762. The facility proposed to add nine (9) new storage tanks to store lube oils. VOC emission increase associated with the new tanks is 0.2 tons per year. The following table lists the size of each tank and the applicable NSPS requirements.

SN	Size, Gallons	NSPS Requirements
001p	15,250	Pursuant to 40 CFR 60.116(b), keep records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel
002p	15,250	
003p	15,250	
004p	15,250	
005p	15,250	
006p	15,250	
007p	2,000	These tanks are not large enough to trigger NSPS requirements.
008p	2,000	
009p	2,000	

Process Description

CORC is a 10,000 barrel per day refinery that processes locally produced crude oil into naphtha, diesel fuel, lube oils, and asphalt. Refining the crude oil begins with the crude being heated and passed through an electrostatic desalting unit. In the desalting unit, the saltwater is separated from the crude oil. From the desalter, the crude is heated through a series of heat exchangers and through a process-gas-fired heater (SN-01). Next, the crudes are sent to the first distillation tower. Under atmospheric pressure, the oil is separated into naphtha, diesel fuel, No. 2 lube oil, No. 3 lube oil, and No. 4 lube oil.
The tower bottoms are then pumped through another process-gas-fired heater (SN-02) and to a vacuum distillation tower. Here the heavier grades (Nos. 7, 9, 10, and 11) of lube oil are produced. The remaining vacuum tower bottoms are the asphalt flux. The flux is pumped through heat exchangers to storage for sales or for further processing in an asphalt blowstill. The flux is heated in a process-gas-fired heater (SN-03) and then

discharged to one of two blowstills. In the blowstill, the flux is polymerized through oxidation by air and the melting point and the hardness of the asphalt are increased. As a by-product of this process, excess oxygen, nitrogen, volatile organic compounds (VOC), and SO_2 are produced. These gases are routed through an incinerator and the waste heat boiler (SN-04) before being vented to the atmosphere. The asphalt product is loaded into trucks at one of the two asphalt loading racks (SN-15 and SN-16).

Following the distillation process, all lube oils are processed through a hydro treater. During hydro treating, the oils are heated with heat exchangers and a process-gas-fired heater (SN-07). The hot lube oils combine with hydrogen and are passed through a catalyst bed. Sulfur in the oil combines with hydrogen to form hydrogen sulfide gas. It also saturates the aromatic compounds, removes heavy metals, and converts some of the nitrogen to ammonia.

Next the oils go to a high pressure separator and then to a low pressure separator where excess hydrogen, hydrogen sulfide, and ammonia flash off. From the separators, the oil goes to a lube oil stripper where any remaining hydrogen sulfide is removed with the heat from the reboiler (SN-12). Waste gas is then sent to the NaHS plant where the hydrogen sulfide is removed and the treated gas is used as process gas.

Hydrogen is supplied to the hydro treater by a steam/methane reformer. Natural gas is compressed, heated, and combined with steam in the reformer. The mixture is then charged to a heater/reactor where it is passed over a nickel catalyst and reacts to form hydrogen and oxide of carbon. The heat required for this endothermic reaction is supplied by burning natural gas (SN-08). The gas is then routed to a converter where most of the CO is converted to CO_2. The CO_2 and hydrogen proceed to a pressure swing absorption (PSA) system where the CO_2 and other impurities are removed.

The diesel fuel is stored for sale. Naphtha is sent to a sweetening unit, and then to a storage tank with an internal floating roof. Steam is produced in a boiler and a cogeneration unit at the facility. The cogeneration unit (SN-25) has a gas-fired turbine. The boiler and the cogeneration unit uses natural gas as fuel. The facility also has two emergency flares. SN-09, the high pressure flare, is connected to the emergency relief valves on the high pressure separator in the lube hydrotreater and the caustic scrubber column in the recycle cleanup system. SN-10, the low pressure flare, is connected to the emergency relief valves on the low pressure separator in the lube plant and the NaHS plant separator.

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Regulations

This facility is subject to regulation under Regulation 18, *Arkansas Air Pollution Control Code*, and Regulation 19, *Regulations of the Arkansas Plan of Implementation for Air Pollution Control*.

The naphtha storage tank is subject to 40 CFR Part 60, Subpart Ka--*Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification commenced after May 18, 1978, and prior to July 23, 1984*. The cogeneration unit is subject to 40 CFR Part 60, Subpart GG--*Stationary Gas Turbines*. The entire facility is subject to 40 CFR Part 61, Subpart FF--*National Emission Standards for Hazardous Air Pollutants, Benzene Waste Operations*. Subpart FF applies because CORC is a petroleum refinery, not because it has benzene emissions.

The boiler (SN-26) was manufactured in 1971 and is therefore not subject to the requirements of NSPS Subpart Dc. **The reformer (SN-08) burns pipeline quality gas so it is not subject to 40 CFR Part 60, Subpart J--Standards of Performance for Petroleum Refineries.**

The following table is a summary of the facility's total emissions.

TOTAL ALLOWABLE EMISSIONS		
Pollutant	Emission Rates	
	lb/hr	tpy
PM	15.2	49.4
PM_{10}	15.2	49.4
SO_2	0.5	1.7
VOC	123.1	88.5
CO	14.6	60.3
NO_x	56.0	85.9*

* - Includes 53 tpy emission bubble for SN-01, 25, and 26

SECTION III: PERMIT HISTORY

1227-A Issued on December 9, 1991, this was the first operating permit for CORC. This permit included the inclusion of a recently installed naphtha storage tank.

1227-AR-1 This modification, issued on July 14, 1992, covered the installation of a lube-oil stripper/reboiler/heater at the facility.

1227-AR-2 Issued on November 20, 1992, this permit allowed the installation of a replacement boiler. The installation of the replacement boiler classified the facility as a major source subject to Title V permitting since NO_X emissions exceeded 100 tons per year.

1227-AR-3 This permit was issued on August 5, 1997 due to an emissions inventory that discovered that the facility did not have actual emissions greater than the major source threshold. Therefore, Cross Oil Refining and Marketing, Inc. was removed from major source status. Additionally, a cogeneration unit and the #4 boiler were added as sources at the facility.

1227-AR-4 This modification was issued on June 29, 2000 and covers the relocation of a 94.3 MMBTU/hr natural gas fired boiler to the facility. Several boilers at the plant had reached the end of their useful life. This new boiler incorporates a low NO_x burner and flue gas recirculation to minimize emissions. Additionally, it was planned that a duct burner would work in conjunction with a cogeneration unit, but the duct burner was never installed and is being removed from the permit and the cogeneration unit calculations adjusted accordingly. In order for CORC to install the duct burner, a new application must be submitted. Also, the existing #3 Boiler (SN-06) has been retired from operation and so the emissions from this source have been removed.

1227-AR-5 This permit was issued on April 29, 2002 and addressed a proposal to make the following changes to some storage tanks:

1. Two tanks which stored lube oil product were destroyed in a fire in 1999 and have not yet been replaced. The refinery plans to move two existing identical tanks to replace these tanks. These tanks will be designated as SN-328 and SN-329. Both tanks have a capacity of 1,000 barrels each (42,000 gallons) and will be subject to the record keeping provisions of 40 CFR Part 60, Subpart Kb, since they will store organic liquids;

2. Two tanks (SN-330 and SN-331), which will store lube oil product, are

planned for installation. The tanks have a capacity of 10,000 barrels each (420,000 gallons) and will be subject to record keeping provisions of 40 CFR 60, Subpart Kb, since they will store organic liquids;

3. Two tanks (SN-332 and SN-333), which will store lube oil product, are planned for installation. The tanks have a capacity of 500 barrels each (21,000 gallon) and will be subject to the record keeping provisions of 40 CFR 60, Subpart Kb, since they will store organic liquids; and

4. One existing tank (SN-284), which is currently permitted to store lube oil, will be removed from service.

The total emissions VOC from the six tanks amounted to less than 0.02 tons annually.

1227-AR-6 This permit was issued on August 2, 2002 and addressed the following modifications to the facility:

1. Tank SN-329 was recently permitted as a lube oil storage tank. This tank will be equipped with an internal floating roof and will store naphtha. The tank will be subject to the provisions of NSPS Subpart Kb. A floating roof meeting the requirements of 40 CFR 60 60.112b (a) (1) will be installed;

2. The existing naphtha tank SN-206 will be converted to a lube oil storage tank. It was constructed in 1980 and will not be modified with this project. Therefore, the tank will not be subject to NSPS Subpart Kb after the change of service;

3. Tanks SN-291 and SN-292 will be changing service from diesel to lube oil storage. The tanks were constructed in 1980. Therefore, the tanks will not be subject to NSPS Subpart Kb after the change of service; and

4. Tank SN-113 is currently permitted as a crude oil storage tank subject to NSPS Subpart Ka. It will be changing service to store Cross Oil's B Series lube oil (a mixture of lube oil and diesel). The tank was constructed in 1980. Therefore, the tank will not be subject to NSPS Subpart Kb (or NSPS Subpart Ka due to the low vapor pressure of the lube oil) after the change of service.

The above changes in tank service resulted in a decrease in VOC emissions of 2.9 tons per year. Without considering the reduction in emissions due to the change

in service of the tanks, the total increase associated with this project is 0.74 tons VOC per year.

SECTION IV: EMISSION UNIT INFORMATION

Specific Conditions

1. Pursuant to §19.501 et seq. of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control, effective February 15, 1999 (Regulation 19) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed the emission rates set forth in the following table.

SN	Description	Pollutant	lb/hr	tpy
01	Crude Charge Heater	PM_{10}	0.5	1.9
		SO_2	0.1	0.1
		VOC	0.2	0.8
		CO	1.1	4.7
		NO_x	3.2	*
02	Vacuum Tower Charge Heater	PM_{10}	0.2	0.5
		SO_2	0.1	0.1
		VOC	0.1	0.4
		CO	0.2	0.8
		NO_x	0.9	4.0
03	Asphalt Blow Still Charge Heater	PM_{10}	0.1	0.5
		SO_2	0.1	0.1
		VOC	0.1	0.3
		CO	0.2	0.8
		NO_x	0.8	3.5
04	Blow Still Incinerator Waste Heat Boiler	PM_{10}	10.4	30.8
		SO_2	0.1	0.1
		VOC	0.1	0.4
		CO	0.5	2.2
		NO_x	1.9	8.6
05	Boiler #1	Retired		
06	Boiler #3	Retired		
07	Hydrotreater Charge Heater	PM_{10}	0.1	0.4
		SO_2	0.1	0.1
		VOC	0.1	0.2
		CO	0.2	0.6

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SN	Description	Pollutant	lb/hr	tpy
		NO_x	0.6	2.7
08	Hydrogen Plant Heater/Reactor	PM_{10} SO_2 VOC CO NO_x	0.5 0.1 0.2 1.1 1.4	1.8 0.1 0.8 4.6 6.1
12	Lube Stripper Reboiler	PM_{10} SO_2 VOC CO NO_x	0.2 0.1 0.1 0.5 1.8	0.8 0.1 0.4 2.0 8.0
13	Boiler #2	Retired		
14	Diesel/Naphtha/Kerosene Loading Rack	VOC	108.3	11.7
15	Asphalt Truck Loading Rack #1	VOC	0.1	0.1
16	Asphalt Truck Loading Rack #2	VOC	0.1	0.1
17	Lube Oil Truck Loading Rack	VOC	0.1	0.1
18	Lube Oil Truck Loading Rack	VOC	0.1	0.1
21	Lube Oil Railcar Loading Rack	VOC	0.1	0.1
23	Fugitive Emissions	VOC	7.7	33.5
24	Wastewater Emissions	VOC	5.0	21.9
25	Cogeneration Unit	PM_{10} SO_2 VOC CO NO_x	2.2 0.1 1.3 5.7 41.6	9.6 0.2 5.5 25.0 *

SN	Description	Pollutant	lb/hr	tpy
26	Boiler #4	PM_{10} SO_2 VOC CO NO_x	1.0 0.3 0.4 6.1 3.8	3.1 1.0 1.3 19.6 *
	Storage Tanks	VOC	-----	10.8

* - Single emission bubble for NO_x is 53 tpy for SN-01, 25, and 26

2. Pursuant to §18.801 of the Arkansas Air Pollution Control Code, effective February 15, 1999 (Regulation 18) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed the emission rates set forth in the following table.

SN	Description	Pollutant	lb/hr	tpy
01	Crude Charge Heater	PM	0.5	1.9
02	Vacuum Tower Charge Heater	PM	0.2	0.5
03	Asphalt Blow Still Charge Heater	PM	0.1	0.5
04	Blow Still Incinerator Waste Heat Boiler	PM	10.4	30.8
05	Boiler #1	Retired		
06	Boiler #3	Retired		
07	Hydrotreater Charge Heater	PM	0.1	0.4
08	Hydrogen Plant Heater/Reactor	PM	0.5	1.8
12	Lube Stripper Reboiler	PM	0.2	0.8
13	Boiler #2	Retired		
25	Cogeneration Unit	PM	2.2	9.6

SN	Description	Pollutant	lb/hr	tpy
26	Boiler #4	PM	1.0	3.1

3. Pursuant to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, visible emissions shall not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9.

SN	Limit	Regulatory Citation
01, 03, 04, 08, 14-21, 25, 26	20%	§19.503
02, 07, 12	40%	§19.503

4. Pursuant to §18.801 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not cause or permit the emission of air contaminants, including odors or water vapor and including an air contaminant whose emission is not otherwise prohibited by Regulation #18, if the emission of the air contaminant constitutes air pollution within the meaning of A.C.A. §8-4-303.

5. Pursuant to §18.901 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not conduct operations in such a manner as to unnecessarily cause air contaminants and other pollutants to become airborne.

SN-01, SN-25, SN-26 Conditions

6. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not emit more than 53 tons of NO_x at SN-01, SN-25 and SN-26 combined per consecutive 12 month period.

7. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall maintain monthly records of fuel usage and NO_x emissions for each of the three sources which demonstrates compliance with Specific Condition #6. Records shall be updated by the fifteenth day of the month following the month to which the records pertain. A twelve month rolling total and each individual month's data shall be kept on site, and shall be made available to Department personnel upon request.

8. Pursuant to §19.703 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall install and maintain dedicated meters on the natural gas

piping which feeds each emission unit specified in Specific Condition #6.

SN-14 Conditions

9. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed the annual throughput rates per consecutive 12 month period specified in the following table.

Product	Annual Throughput Rate (gallons)
Diesel	17,900,000
Naphtha	6,235,000
Kerosene	4,515,000

10. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall maintain monthly records which demonstrate compliance with Specific Condition #9. Records shall be updated by the fifteenth day of the month following the month to which the records pertain. A twelve month rolling total and each individual month's data shall be kept on site, and shall be made available to Department personnel upon request.

NSPS Requirements

11. Pursuant to §19.304 of Regulation 19 and 40 CFR Part 60, Subpart GG, the cogeneration unit (SN-25) is an affected source.
    a. Pursuant to §60.332(a)(2), the turbine shall not discharge any gases which contain nitrogen oxides in excess of 209 ppm by volume at 15 percent oxygen on a dry basis.

    b. The cogeneration unit shall only be fired with pipeline quality natural gas.

    c. Pursuant to §60.333(b), no owner or operator shall burn in any stationary gas turbine any fuel which contains sulfur in excess of 0.8 percent by weight.

    d. Pursuant to §60.335(d), analysis for fuel sulfur content of the natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternative method. The approved reference methods are: ASTM D1072-80; ASTM D3031-81; ASTM D3246-81; and ASTM D4084-82 as referenced in 40 CFR 60.335(b)(2).

e. The fuel supply shall be initially sampled daily for a period of two weeks to establish that the pipeline quality natural gas fuel supply is low in sulfur content.

f. After the monitoring required in Specific Condition #11(e), sulfur monitoring shall be conducted twice monthly for six months. If this monitoring shows little variability in the fuel sulfur content, and indicates consistent compliance with 40 CFR 60.333, then sulfur monitoring shall be conducted once per quarter for six quarters.

g. If after the monitoring required in Specific Condition #11(f), the sulfur content of the fuel shows little variability and, calculated as sulfur dioxide, represents consistent compliance with the sulfur dioxide emission limits specified under 40 CFR 60.333, sample analysis shall be conducted twice per annum. This monitoring shall be conducted during the first and third quarters of each calendar year.

h. Should any sulfur analysis as required in Specific Condition #11(f) or (g) indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify ADEQ of such excess emissions and the custom schedule shall be re-examined. Sulfur monitoring shall be conducted weekly during the interim period when this custom schedule is being re-examined.

i. If there is a change in fuel supply (supplier), the fuel shall be sampled daily for a period of two weeks to re-establish for the record that the fuel supply is low in sulfur content. If the fuel supply's low sulfur content is re-established, then the custom fuel monitoring schedule can be resumed.

j. Records of sample analysis and fuel supply pertinent to this custom schedule shall be retained for a period of three years, and be available for inspection.

12. Pursuant to §19.304 of Regulation 19 and 40 CFR Part 60, Subpart Ka, the onsite storage tanks are affected sources. The requirements for the tanks are listed in the following table.

Tank	Contents	NSPS Requirement
197, 206, 284, 287, 288, 289, 290, 296, 297, 298, 299, 322	Lube Oils	Pursuant to 40 CFR 60.115(a), maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor

Tank	Contents	NSPS Requirement
		pressure of that liquid during the respective storage period

13. Pursuant to §19.304 of Regulation 19 and 40 CFR Part 60, Subpart Kb, the onsite storage tanks are affected sources. The requirements for the tanks are listed in the following table.

Tank	Contents	NSPS Requirement
109	Crude Oil	Pursuant to 40 CFR 60.116(b), keep records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel
SN-001p,002p, 003p, 004p, 005p, 006p, 300, 301, 302, 303, 304, 305, 308, 310, 316, 317, 318, 319, 320, 321, 323, 325, 326, 328,330,331,332,333	Lube Oils	
329	Naphtha	Pursuant to 40 CFR 60.112b(a)(1), a fixed roof in combination with an internal floating roof

NESHAP Requirements

14. Pursuant to §19.304 of Regulation 19 and 40 CFR Part 61, Subpart FF, the facility is an affected source.

    a. Pursuant to §61.355, the owner and operator shall determine the total annual benzene quantity from facility waste by the procedures outlined in §61.355(a).

    b. Pursuant to §61.356(a), the facility shall comply with all record keeping requirements outlined in §61.356(b).

    c. Pursuant to §61.357, the facility shall submit reports to the Department by following the procedures of §61.357(a)(1)-(4). In cases where the total annual benzene quantity is less than 1 Mg/yr [as determined in Specific Condition #14(a)], reports will comply with §61.357(b). In cases where the total annual benzene quantity is greater than 1 Mg/yr but less than 10 Mg/yr, reports will comply with §61.357(c). And when the total annual benzene quantity is greater than 10 Mg/yr, reports will comply with §61.357(d).

SECTION V: INSIGNIFICANT ACTIVITIES

The following types of activities or emissions are deemed insignificant on the basis of size, emission rate, production rate, or activity in accordance with Group A of the Insignificant Activities list found in Regulation 18 and 19 Appendix A. Insignificant activity emission determinations rely upon the information submitted by the permittee in an application dated August 27, 1998.

Description	Category
No insignificant activities have been identified.	

SECTION VI: GENERAL CONDITIONS

1. Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq*.) as the sole origin of and authority for the terms or conditions are not required under the Clean Air Act or any of its applicable requirements, and are not federally enforceable under the Clean Air Act. Arkansas Pollution Control & Ecology Commission Regulation 18 was adopted pursuant to the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq*.). Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq*.) as the origin of and authority for the terms or conditions are enforceable under this Arkansas statute.

2. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit shall not relieve the owner or operator of the equipment and/or the facility from compliance with all applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder.

3. Pursuant to §19.704 of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control (Regulation 19) and/or A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the Department shall be notified in writing within thirty (30) days after construction has commenced, construction is complete, the equipment and/or facility is first placed in operation, and the equipment and/or facility first reaches the target production rate.

4. Pursuant to §19.410(B) of Regulation 19 and/or §18.309(B) of the Arkansas Air Pollution Control Code (Regulation 18) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, construction or modification must commence within eighteen (18) months from the date of permit issuance.

5. Pursuant to §19.705 of Regulation 19 and/or §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, records must be kept for five years which will enable the Department to determine compliance with the terms of this permit--such as hours of operation, throughput, upset conditions, and continuous monitoring data. The records may be used, at the discretion of the Department, to determine compliance with the conditions of the permit.

6. Pursuant to §19.705 of Regulation 19 and/or §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, any reports required by any condition contained in this permit shall be certified by a responsible official and submitted to the Department at the address below.

   Arkansas Department of Environmental Quality
   Air Division
   ATTN: Compliance Inspector Supervisor
   Post Office Box 8913
   Little Rock, AR 72219

7. Pursuant to §19.702 of Regulation 19 and/or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, any equipment that is to be tested, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, shall be tested with the following time frames: (1) Equipment to be constructed or modified shall be tested within sixty (60) days of achieving the maximum production rate, but in no event later than 180 days after initial start-up of the permitted source or (2) equipment already operating shall be tested according to the time frames set forth by the Department. The permittee shall notify the Department of the scheduled date of compliance testing at least fifteen (15) days in advance of such test. Compliance test results shall be submitted to the Department within thirty (30) days after the completed testing.

8. Pursuant to §19.702 of Regulation 19 and/or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the permittee shall provide:

   a. Sampling ports adequate for applicable test methods
   b. Safe sampling platforms
   c. Safe access to sampling platforms
   d. Utilities for sampling and testing equipment

9. Pursuant to §19.303 of Regulation 19 and/or §18.1104 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the equipment, control apparatus and emission monitoring equipment shall be operated within their design limitations and maintained in good condition at all times.

10. Pursuant to §19.601 of Regulation 19 and/or §18.1101 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, if the permittee exceeds an emission limit established by this permit, they shall be deemed in violation of said permit and shall be subject to enforcement action. The Department may forego enforcement action for emissions exceeding any limits established by this permit provided the following requirements are met:

    a. The permittee demonstrates to the satisfaction of the Department that the emissions resulted from an equipment malfunction or upset and are not the result of negligence or improper maintenance, and that all reasonable measures have been taken to immediately minimize or eliminate the excess emissions.
    b. The permittee reports the occurrence or upset or breakdown of equipment (by telephone, facsimile, or overnight delivery) to the Department by the end of the next business day after the occurrence or the discovery of the occurrence.
    c. The permittee shall submit to the Department, within five business days after the occurrence or the discovery of the occurrence, a full, written report of such occurrence, including a statement of all known causes and of the scheduling and nature of the actions to be taken to minimize or eliminate future occurrences, including, but not limited to, action to reduce the frequency of occurrence of such conditions, to minimize the amount by which said limits are exceeded, and to reduce the length of time for which said limits are exceeded. If the information is included in the initial report, it need not be submitted again.

11. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the permittee shall allow representatives of the Department upon the presentation of credentials:

    a. To enter upon the permittee's premises, or other premises under the control of the permittee, where an air pollutant source is located or in which any records are required to be kept under the terms and conditions of this permit
    b. To have access to and copy any records required to be kept under the terms and conditions of this permit, or the Act
    c. To inspect any monitoring equipment or monitoring method required in this permit
    d. To sample any emission of pollutants
    e. To perform an operation and maintenance inspection of the permitted source

12. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit is issued in reliance upon the statements and presentations made in the permit application. The Department has no responsibility for the adequacy or proper functioning of the equipment or control apparatus.

13. Pursuant to §19.410(A) of Regulation 19 and/or §18.309(A) of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit shall be subject to revocation or modification when, in the judgment of the Department, such revocation or modification shall become necessary to comply with the applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder.

14. Pursuant to §19.407(B) of Regulation 19 and/or §18.307(B) of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit may be transferred. An applicant for a transfer shall submit a written request for transfer of the permit on a form provided by the Department and submit the disclosure statement required by Arkansas Code Annotated §8-1-106 at least thirty (30) days in advance of the proposed transfer date. The permit will be automatically transferred to the new permittee unless the Department denies the request to transfer within thirty (30) days of the receipt of the disclosure statement. A transfer may be denied on the basis of the information revealed in the disclosure statement or other investigation or if there is deliberate falsification or omission of relevant information.

15. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit shall be available for inspection on the premises where the control apparatus is located.

16. Pursuant to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, this permit authorizes only those pollutant emitting activities addressed herein.

17. Pursuant to Regulation 18 and 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, this permit supersedes and voids all previously issued air permits for this facility.

APPENDIX A

APPENDIX B

APPENDIX E

Request for PDS Invoice	
Invoice Number *(assigned when invoice printed)*	PDS-

AFIN r	70-00039			
Name *(for confirmation only)*	Cross Oil Refining & Marketing, Inc.			
Invoice Type (pick one) r	Initial	Mod X	Variance	
	Annual	Renewal	Interim Authority	
Permit Number r	1227-AR-7			
Media Code r	A			
Fee Code or Pmt Type r	MS			
Fee Description *(for confirmation only)*	Minor Source			
Amount Due r *(whole dollar amount only)*	$400			
Printed Comment *(600 characters maximum)*	minimum fee			

Note: The information below is for use by the requesting division if desired; it will not print on the invoice.	
Engineer	Charles Hurt
Paid? (yes/no)	
Check number	
Comments	

r **Required data***(See "g:\Misc\PDS_FeeCodes.wpd" for descriptions and discussions of fee codes)*

Request submitted by:		Date:	

Public Notice

Pursuant to A.C.A. §8-4-203, and the regulations promulgated thereunder, the Air Division of the Arkansas Department of Environmental Quality gives the following notice:

Cross Oil Refining and Marketing, Inc., (CSN 70-0039) operates an oil refinery at 484 East Sixth Street, in Smackover, Union County, Arkansas, 71762. The facility is installing six new lube oil storage tanks. The total increase in storage capacity will be 966,000 gallons. Increase in VOC emissions will be less than 0.02 tons per year.

The application has been reviewed by the staff of the Department and has received the Department's tentative approval subject to the terms of this notice.

Citizens wishing to examine the permit application and staff findings and recommendations may do so by contacting Doug Szenher, Public Affairs Supervisor. Citizens desiring technical information concerning the application or permit should contact, Charles Hurt, Engineer. Both Doug Szenher and Charles Hurt can be reached at the Department's central office, 8001 National Drive, Little Rock, Arkansas 72209, telephone: (501) 682-0744.

The draft permit and permit application are available for copying at the above address. A copy of the draft permit has also been placed at the Barton Library located at East Fifth and North Jefferson in El Dorado, Arkansas 71730. This information may be reviewed during normal business hours.

Interested or affected persons may also submit written comments or request a hearing on the proposal, or the proposed modification, to the Department at the above address - Attention: Doug Szenher. In order to be considered, the comments must be submitted within thirty (30) days of publication of this notice. Although the Department is not proposing to conduct a public hearing, one will be scheduled if significant comments on the permit provisions are received. If a hearing is scheduled, adequate public notice will be given in the newspaper of largest circulation in the county in which the facility in question is, or will be, located.

The Director shall make a final decision to issue or deny this application or to impose special conditions in accordance with Section 2.1 of the Arkansas Pollution Control and Ecology Commission's Administrative Procedures (Regulation #8).

Dated this

Richard A. Weiss
Interim Director