

PROPOSED CAAPP PERMIT
Explorer Pipeline Company
I.D. No.: 119801AAA
Application No.: 95090068
April 13, 2000

217/782-2113

TITLE V - CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT
and
TITLE I PERMIT¹

PERMITTEE

Explorer Pipeline Company
Attn: James F. Sieck
Post Office Box 2650
Tulsa, Oklahoma 74101

<u>Application No.:</u> 95090068	<u>I.D. No.:</u> 119801AAA
<u>Applicant's Designation:</u>	<u>Date Received:</u> September 7, 1995
<u>Operation of:</u> Petroleum Breakout Station	
<u>Date Issued:</u> TO BE DETERMINED	<u>Expiration Date</u> ² : TO BE DETERMINED
<u>Source Location:</u> 1355 Robins Road, East Alton	
<u>Responsible Official:</u> Curtis L. Craig	

This permit is hereby granted to the above-designated Permittee to operate a Petroleum Breakout Station, pursuant to the above referenced permit application. This permit is subject to the conditions contained herein.

If you have any questions concerning this permit, please contact Nathan Frank at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:NAF:psj

cc: Illinois EPA, FOS, Region 3
USEPA

¹ This permit may contain terms and conditions which address the applicability, and compliance if determined applicable, of Title I of the CAA and regulations promulgated thereunder, including 40 CFR 52.21 - federal PSD and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Any such terms and conditions are identified within this permit.

² Except as provided in Condition 8.7 of this permit.

TABLE OF CONTENTS

	<u>PAGE</u>
1.0 SOURCE IDENTIFICATION	4
1.1 Source	
1.2 Owner/Parent Company	
1.3 Operator	
1.4 General Source Description	
2.0 LIST OF ABBREVIATIONS/ACRONYMS USED IN THIS PERMIT	6
3.0 INSIGNIFICANT ACTIVITIES	8
3.1 Identification of Insignificant Activities	
3.2 Compliance with Applicable Requirements	
3.3 Addition of Insignificant Activities	
4.0 SIGNIFICANT EMISSION UNITS AT THIS SOURCE	10
5.0 OVERALL SOURCE CONDITIONS	11
5.1 Source Description	
5.2 Applicable Regulations	
5.3 Non-Applicability of Regulations of Concern	
5.4 Source-Wide Operational and Production Limits and Work Practices	
5.5 Source-Wide Emission Limitations	
5.6 General Recordkeeping Requirements	
5.7 General Reporting Requirements	
5.8 General Operational Flexibility/Anticipated Operating Scenarios	
5.9 General Compliance Procedures	
6.0 [NOT APPLICABLE TO THIS PERMIT]	24
7.0 UNIT SPECIFIC CONDITIONS	25
7.1 Unit - Storage Tanks 420, 421, 422,430, 431, and 490 Control - Internal Floating Roof with Vapor Mounted Primary Seal, Rim Mounted Secondary Seal, and Submerged Loading Pipe	
7.2 Unit - Storage Tank 439 Control - External Floating Roof with Mechanical Shoe Primary Seal, Rim Mounted Secondary Seal, and Submerged Loading Pipe	

	<u>PAGE</u>
8.0 GENERAL PERMIT CONDITIONS	47
8.1 Permit Shield	
8.2 Applicability of Title IV Requirements	
8.3 Emissions Trading Programs	
8.4 Operational Flexibility/Anticipated Operating Scenarios	
8.5 Testing Procedures	
8.6 Reporting Requirements	
8.7 Obligation to Comply with Title I Requirements	
9.0 STANDARD PERMIT CONDITIONS	53
9.1 Effect of Permit	
9.2 General Obligations of Permittee	
9.3 Obligation to Allow Illinois EPA Surveillance	
9.4 Obligation to Comply with Other Requirements	
9.5 Liability	
9.6 Recordkeeping	
9.7 Annual Emissions Report	
9.8 Requirements for Compliance Certification	
9.9 Certification	
9.10 Defense to Enforcement Actions	
9.11 Permanent Shutdown	
9.12 Reopening And Reissuing Permit For Cause	
9.13 Severability Clause	
9.14 Permit Expiration and Renewal	
10.0 ATTACHMENTS	
10.1 Attachment 1 - Summary of Significant Emission Units	1-1
10.2 Attachment 2 - Certification by a Responsible Official	2-1

PROPOSED CAAPP PERMIT
Explorer Pipeline Company
I.D. No.: 119801AAA
Application No.: 95090068
April 13, 2000

1.0 SOURCE IDENTIFICATION

1.1 Source

Explorer Pipeline Company
1355 Robins Road
East Alton, Illinois 62024
(918) 493-5143

I.D. No.: 119801AAA
Standard Industrial Classification: 4613, Refined Petroleum
Pipelines

1.2 Owner/Parent Company

Explorer Pipeline Company
Post Office Box 2650
Tulsa, Oklahoma 74101

1.3 Operator

Explorer Pipeline Company
1355 Robins Road
East Alton, Illinois 62024

James F. Sieck; Health, Safety, Security and Environmental Manager
(918) 493-5143

1.4 General Source Description

The source is a petroleum pipeline breakout station located in the vicinity of Wood River, Illinois. The Wood River Facility receives fuels such as gasoline, transmix, No. 2 fuel oil, and jet kerosene via pipeline in "batches" that may or may not be separated by neoprene spheres. If spheres are used, they are captured by a "receiver" and launched by one of two "launchers" when product is pumped out.

Products are stored in storage tanks for various time intervals prior to routing the products to various customers via pipeline. Gasoline and transmix are stored in one of six internal floating roof tanks or in an external floating roof tank. No. 2 fuel oil and jet kerosene are stored in one of five cone, fixed roof tanks.

PROPOSED CAAPP PERMIT
Explorer Pipeline Company
I.D. No.: 119801AAA
Application No.: 95090068
April 13, 2000

Periodically when water accumulates in the tanks, the water is drawn off and processed by a packed column air stripper to remove VOM from the wastewater stream.

PROPOSED CAAPP PERMIT
 Explorer Pipeline Company
 I.D. No.: 119801AAA
 Application No.: 95090068
 April 13, 2000

2.0 LIST OF ABBREVIATIONS/ACRONYMS USED IN THIS PERMIT

Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
Btu	British thermal unit
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CFR	Code of Federal Regulations
cm	centimeter
cu in	cubic inch
°F	degrees Fahrenheit
gal	gallon
HAP	Hazardous Air Pollutant
hr	hour
IAC	Illinois Administrative Code
I.D. No.	Identification Number of Source, assigned by Illinois EPA
Illinois EPA	Illinois Environmental Protection Agency
in	inch
°K	degrees Kelvin
kPa	kilopascal
kW	kilowatts
l	liter
lb	pound
mg	milligram
ml	milliliter
mmBtu	Million British thermal units
MTBE	Methyl tert-butyl ether
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards
PM	Particulate Matter
PM ₁₀	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
ppm	parts per million
psia	pounds per square inch, absolute
psi	pounds per square inch
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan

PROPOSED CAAPP PERMIT
 Explorer Pipeline Company
 I.D. No.: 119801AAA
 Application No.: 95090068
 April 13, 2000

SO ₂	Sulfur Dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit.
T1N	Title I New - identifies Title I conditions that are being established in this permit.
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit.
USEPA	United States Environmental Protection Agency
VOM	Volatile Organic Material
VOL	Volatile Organic Liquid - Any substance which is a liquid at storage conditions and contains VOM.
VPL	Volatile Petroleum Liquid - Any petroleum liquid with a true vapor pressure that is greater than 1.5 psia at standard conditions. This includes gasoline and transmix.

3.0 INSIGNIFICANT ACTIVITIES

3.1 Identification of Insignificant Activities

The following activities at the source constitute insignificant activities as specified in 35 IAC 201.210:

- 3.1.1 Activities determined by the Illinois EPA to be insignificant activities, pursuant to 35 IAC 201.210(a)(1) and 201.211, as follows:

Packed column air stripper used to remove VOM from water drawn out of storage tanks.

- 3.1.2 Activities that are insignificant activities based upon maximum emissions, pursuant to 35 IAC 201.210(a)(2) or (a)(3), as follows:

None

- 3.1.3 Activities that are insignificant activities based upon their type or character, pursuant to 35 IAC 201.210(a)(4) through (18), as follows:

Storage tanks of any size containing virgin or re-refined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oils [35 IAC 201.210(a)(11)].

- 3.1.4 Activities that are considered insignificant activities pursuant to 35 IAC 201.210(b).

3.2 Compliance with Applicable Requirements

Insignificant activities are subject to applicable requirements notwithstanding status as insignificant activities. In particular, in addition to regulations of general applicability, such as 35 IAC 212.301 and 212.123 (Condition 5.2.2), the Permittee shall comply with the following requirements, as applicable:

- 3.2.1 For each cold cleaning degreaser, the Permittee shall comply with the applicable equipment and operating requirements of 35 IAC 215.182, 218.182, or 219.182.

- 3.2.2 For each particulate matter process emission unit, the Permittee shall comply with the applicable particulate matter emission limit of 35 IAC 212.321 or 212.322. For example, the particulate matter emissions from a process emission unit shall not exceed 0.55 pounds per hour if the emission unit's process weight rate is 100 pounds per hour or less, pursuant to 35 IAC 266.110.
- 3.2.3 For each organic material emission unit that uses organic material, e.g., a mixer or printing line, the Permittee shall comply with the applicable VOM emission limit of 35 IAC 215.301, 218.301, or 219.301, which requires that organic material emissions not exceed 8.0 pounds per hour or do not qualify as photochemically reactive material as defined in 35 IAC 211.4690.

3.3 Addition of Insignificant Activities

- 3.3.1 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type that is identified in Condition 3.1, until the renewal application for this permit is submitted, pursuant to 35 IAC 201.212(a).
- 3.3.2 The Permittee must notify the Illinois EPA of any proposed addition of a new insignificant activity of a type addressed by 35 IAC 201.210(a) and 201.211 other than those identified in Condition 3.1, pursuant to Section 39.5(12)(b) of the Act.
- 3.3.3 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type identified in 35 IAC 201.210(b).

PROPOSED CAAPP PERMIT
 Explorer Pipeline Company
 I.D. No.: 119801AAA
 Application No.: 95090068
 April 13, 2000

4.0 SIGNIFICANT EMISSION UNITS AT THIS SOURCE

Emission Units	Description	Date Constructed	Emission Control Equipment
Tanks 420, 421, 422, 430, 431, and 490	Internal floating roof	February 1974	Submerged fill, mechanical shoe primary seal
Tank 439	External floating roof	Before June 11, 1973	Submerged fill, mechanical shoe primary seal, and rim mounted secondary seal

5.0 OVERALL SOURCE CONDITIONS

5.1 Source Description

5.1.1 This permit is issued based on the source requiring a CAAPP permit as a major source of VOM emissions.

5.1.2 This permit is issued based on the source requiring a CAAPP permit as a major source of MTBE and the aggregate of all HAPs.

5.2 Applicable Regulations

5.2.1 Specific emission units at this source are subject to particular regulations as set forth in Section 7 (Unit-Specific Conditions) of this permit.

5.2.2 In addition, emission units at this source are subject to the following regulations of general applicability:

- a. No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally overhead at a point beyond the property line of the source unless the wind speed is greater than 40.2 kilometers per hour (25 miles per hour). [35 IAC 212.301 and 212.314]
- b. No person shall cause or allow the loading of any organic material into any stationary storage tank having a storage capacity of greater than 946 l (250 gal), unless such tank is equipped with a submerged loading pipe. Exception: If no odor nuisance exists, the limitations of this condition shall only apply to the loading of VOL with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 °K (70 °F). [35 IAC 219.122(b)]
- c. No person shall use any single or multiple compartment effluent water separator which receives effluent water containing 757 l/day (200 gal/day) or more of organic material from any equipment processing, refining, treating, storing, or handling organic material unless such effluent water separator is equipped with air pollution control equipment

capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. Exception: If no odor nuisance exists, the limitations of this subsection shall not apply if the vapor pressure of the organic material is below 17.24 kPa (2.5 psia) at 294.3 °K (70 °F). [35 IAC 219.141(a)]

- d. No person shall cause or allow the emissions of organic material into the atmosphere from any vapor blowdown system or any safety release valve, except such safety release valves not capable of causing an excessive release, unless such emissions is controlled: [35 IAC 219.143]
 - i. To 10 ppm equivalent methane (molecular weight 16.0) or less, or
 - ii. By combustion in a smokeless flare, or
 - iii. By other air pollution control equipment approved by the Illinois EPA according to the provisions of 35 IAC Part 201, and further processed consistent with 35 IAC 219.108.
- e. No person shall cause or allow the discharge of more than 32.8 ml (2 cu in) of VOL with vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 °K (70 °F) into the atmosphere from any pump or compressor in any 15 minute period at standard conditions. [35 IAC 219.142]

5.2.3 This stationary source, as defined in 40 CFR Part 63, Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations), is subject to 40 CFR Part 63. This stationary source shall comply and certify compliance with the applicable requirements of 40 CFR Part 63, Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations), as part of the annual compliance certification as required by 40 CFR Part 70 or 71. The requirements of this rule are addressed in the unit-specific conditions of Section 7 and Conditions 5.4.2, 5.6.3, and 5.7.1 of this section.

- 5.2.4 No person shall sell, offer for sale, dispense, supply, offer for supply, or transport for use in Illinois, gasoline that has a Reid vapor pressure in excess of the following limitations during the regulatory control periods of June 1 to September 15 of each year: [35 IAC 219.585(a), (b), and (c)]
- a. The Reid vapor pressure of gasoline, a measure of its volatility, shall not exceed 49.68 kPa (7.2 psi) during the regulatory control period.
 - b. The Reid vapor pressure of ethanol blend gasoline having at least nine percent (9%) but not more than ten percent (10%) ethyl alcohol by volume of the blended mixture, shall not exceed the limitations of (a) above by more than 6.9 kPa (1.0 psi).
Notwithstanding this limitation, blenders of ethanol gasoline whose Reid vapor pressure is less than 1.0 psi above the base stock gasoline immediately after blending with ethanol are prohibited from adding butane or any product that will increase the Reid vapor pressure of the blended gasoline.
- 5.2.5 The Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:
- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

5.2.6 Risk Management Plan

Should this stationary source, as defined in 40 CFR Section 68.3, become subject to the Accidental Release Prevention regulations in 40 CFR Part 68, then the owner or operator shall submit [40 CFR 68.215(a)(2)(i) and (ii)]:

- a. A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or
- b. A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan (RMP), as part of the annual compliance certification required by 40 CFR Part 70 or 71.

- 5.2.7
- a. Should this stationary source become subject to a regulation under 40 CFR Parts 60, 61, or 63, or 35 IAC after the date issued of this permit, then the owner or operator shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by 40 CFR Part 70 or 71.
 - b. No later than upon the submittal for renewal of this permit, the owner or operator shall submit, as part of an application, the necessary information to address either the non-applicability of, or demonstrate compliance with all applicable requirements of any potentially applicable regulation which was promulgated after the date issued of this permit.

5.2.8 Episode Action Plan

- a. If the source is required to have an episode action plan pursuant to 35 IAC 244.142, the Permittee shall maintain at the source and have on file with the Illinois EPA a written episode action plan (plan) for reducing the levels of emissions during yellow

alerts, red alerts, and emergencies, consistent with safe operating procedures. The plan shall contain the information specified in 35 IAC 244.144.

- b. The Permittee shall immediately implement the appropriate steps described in this plan should an air pollution alert or emergency be declared.
- c. If a change occurs at the source which requires a revision of the plan (e.g., operational change, change in the source contact person), a copy of the revised plan shall be submitted to the Illinois EPA for review within 30 days of the change. Such plans shall be further revised if disapproved by the Illinois EPA.
- d. For sources required to have a plan pursuant to 35 IAC 244.142, a copy of the original plan and any subsequent revisions shall be sent to:
 - i. Illinois EPA, Compliance Section; and
 - ii. For sources located in Cook County and outside of the city of Chicago: Cook County Department of Environmental Control; or
 - iii. For sources located within the city of Chicago: Chicago Department of Environmental Control.

5.3 Non-Applicability of Regulations of Concern

- 5.3.1 This permit is issued based on the source not being subject to 40 CFR 60, Subpart XX, because the source has no loading racks that load fuel to gasoline tank trucks.
- 5.3.2 This permit is issued based on the process components (i.e., pumps, valves, flanges, other connectors, etc.) at the source not being subject to 40 CFR 61, Subpart V, because those process components are not located at a source that has a specific subpart in 40 CFR 61 applicable to it.
- 5.3.3 This permit is issued based on the process components (i.e., pumps, valves, flanges, other connectors, etc.) at the source not being subject to 40 CFR 63, Subpart H,

because those process components are not located at a source that has a specific subpart in 40 CFR 63 that references Subpart H.

- 5.3.4 This permit is issued based on the source not being subject to 35 IAC 219.122(a) because the source has no loading pipes that load organic material to railroad tank cars, tank trucks, or trailers.
- 5.3.5 This permit is issued based on the source not being subject to 35 IAC Part 219.581 because the source, by definition, is not a Bulk Gasoline Plant.
- 5.3.6 This permit is issued based on the source not being subject to 35 IAC Part 219.582 because the source, by definition, is not a Bulk Gasoline Terminal.
- 5.3.7 This permit is issued based on the source not being subject to 35 IAC Part 219.583 because the source, by definition, is not a Gasoline Dispensing Operation.

5.4 Source-Wide Work Practices

In addition to the source-wide requirements in the Standard Permit Conditions in Section 9, the Permittee shall fulfill the following source-wide work practice requirements:

- 5.4.1 Sampling, measuring and testing of gasoline and ethanol blend gasoline shall be conducted by the following procedures. Any alternate to these sampling or testing methods or procedures must be approved by the Illinois EPA, which shall consider data comparing the performance of the proposed alternative to the performance of one or more approved test methods or procedures. Such data shall accompany any request for Illinois EPA approval of any alternate test procedure. If the Illinois EPA determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test methods or will achieve results equivalent to the approved test methods or procedures, the Illinois EPA shall approve the proposed alternative. [35 IAC 219.585(g)]
 - a. All sampling of gasoline shall be conducted in accordance with the procedures contained in 40 CFR Part 80, Appendix D, Sampling Procedures for Fuel

Volatility, which are incorporated by reference in 35 IAC 219.112. [35 IAC 219.585(d)]

- b. The Reid vapor pressure of gasoline shall be measured in accordance with the procedures contained in "Tests for Determining Reid Vapor Pressure (RVP) of Gasoline and Gasoline-Oxygenate Blends" as set forth in 40 CFR 80, Appendix E, incorporated by reference in 35 IAC 219.112. [35 IAC 219.585(e)]
- c. The ethanol content of ethanol blend gasoline shall be determined by use of one of the approved testing methodologies specified in 40 CFR Part 80, Appendix F, incorporated by reference in 35 IAC 219.112. [35 IAC 219.585(f)]

5.4.2 The Permittee shall performed the following procedures for the inspection, detection, and repair of equipment leaks and for general handling of gasoline:

- a. The Permittee shall perform a monthly visual (sight, sound, and smell) inspection for leaks of all equipment in gasoline liquid or vapor service. [40 CFR 63.424(a)]
- b. When a leak is detected, repair shall be made as soon as possible.
 - i. An initial attempt at repair shall be made no later than 5 calendar days after the leak is detected. [40 CFR 63.424(c)]
 - ii. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of leak, except as provided below. [40 CFR 63.424(c)]
 - iii. If repair within 15 days is demonstrated on an individual leak basis to not be feasible, the Permittee may delay repair by providing reasons why a delay is needed and the date by which repair is expected to be completed in a written report to Illinois EPA. [40 CFR 63.424(d)]

- c. The Permittee shall take the following measures, along with other reasonable measures, as to not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. [40 CFR 63.424(g)]
 - i. Minimize gasoline spills;
 - ii. Clean up spills as expeditiously as practicable;
 - iii. Cover all open gasoline containers with a gasketed seal when not in use; and
 - iv. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

5.5 Source-Wide Emission Limitations

5.5.1 Permitted Emissions for Fees

The annual emissions from the source, not considering insignificant activities as addressed by Section 3.0 of this permit, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. These limitations (Condition 5.5.1) are set for the purpose of establishing fees and are not federally enforceable.

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Volatile Organic Material (VOM)	447.59

5.5.2 Emissions of Hazardous Air Pollutants

Source-wide emission limitations for HAPs as listed in Section 112(b) of the CAA are not set. This source is considered to be a major source of HAPs.

5.5.3 Other Source-Wide Emission Limitations

Other source-wide emission limitations are not set for this source pursuant to either the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21, Illinois EPA rules for Major Stationary Sources Construction and Modification, 35 IAC Part 203, or Section 502(b)(10) of the CAA. However, there may be unit specific emission limitations set forth in Section 7 of this permit pursuant to these rules.

5.6 General Recordkeeping Requirements

5.6.1 Emission Records

The Permittee shall maintain records of the following items for the source to demonstrate compliance with Condition 5.5.1, pursuant to Section 39.5(7)(b) of the Act:

Total annual emissions on a calendar year basis for the emission units covered by Section 7 (Unit Specific Conditions) of this permit.

5.6.2 Records for Gasoline Volatility Standards Practices

- a. During the regulatory control period of June 1 through September 15 of each year, the Permittee shall state that the Reid vapor pressure of all gasoline or ethanol blends leaving the source for use in Illinois complies with the Reid vapor limitations of Condition 5.2.3. Any operation receiving this gasoline shall be provided with documentation stating that the Reid vapor pressure of the gasoline complies with the Reid vapor pressure requirements of Condition 5.2.4. [35 IAC 219.585(h)(1)(A)]
- b. Maintain records on the Reid vapor pressure, quantity shipped and date of delivery of any gasoline or ethanol blends leaving the source for use in Illinois. The Illinois EPA shall be provided with copies of such records if requested. [35 IAC 219.585(h)(1)(B)]

5.6.3 Records for Leak Detection and Inspection Practices

The Permittee shall keep the following records with respect to leak detection and repair of Condition 5.4.2 in a log book that shall be retained for five years and be made available to Illinois EPA upon request. [40 CFR 63.424(b) and 63.428(e)]

- a. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the source.
- b. Records documenting each inspection which shall be signed by the owner or operator at the completion of each inspection.
- c. Records for each leak that is detected, including the following:
 - i. The equipment type and identification number;
 - ii. The nature of the leak, i.e., vapor or liquid, and the method of detection, i.e., sight, sound, or smell;
 - iii. The date the leak was detected and the date of each attempt to repair the leak;
 - iv. Repair methods applied in each attempt to repair the leak;
 - v. "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak;
 - vi. The expected date of successful repair of the leak if the leak is not repaired within 15 days; and
 - vii. The date of successful repair of the leak.

5.6.4 Retention and Availability of Records

- a. All records and logs required by this permit shall be retained for at least five years from the date of

entry (unless a longer retention period is specified by the particular recordkeeping provision herein), shall be kept at a location at the source that is readily accessible to the Illinois EPA or USEPA, and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request.

- b. The Permittee shall retrieve and print, on paper during normal source office hours, any records retained in an electronic format (e.g., computer) in response to an Illinois EPA or USEPA request for records during the course of a source inspection.

5.7 General Reporting Requirements

5.7.1 General Source-Wide Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section of noncompliance with the permit requirements as follows, pursuant to Section 39.5(7)(f)(ii) of the Act. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken:

- a. The Permittee shall submit an excess emissions report due by the 30th day following the end of each calendar quarter for each occurrence of an equipment leak for which no repair was made within 5 days or for which repair was not completed within 15 days after detection. The report shall contain the name, title, and signature of the responsible official who is certifying the accuracy of the report along with: [40 CFR 63.428(h)(4) and 63.10(e)(3)]
 - i. The date on which the leak was detected;
 - ii. The date of each attempt to repair the leak;
 - iii. The reasons for delay of repair; and
 - iv. The date of successful repair.
- b. The Permittee shall submit in a semiannual report (along with those required in Conditions 7.1.10(d) and 7.2.10(b) the number of equipment leaks not

repaired within 5 days after detection. [40 CFR
63.428(g)(3)]

5.7.2 Annual Emissions Report

The annual emissions report required pursuant to Condition 9.7 shall contain emissions information for the previous calendar year.

5.8 General Operational Flexibility / Anticipated Operating Scenarios

See unit-specific conditions of Section 7.

5.9 General Compliance Procedures

5.9.1 Compliance with the source-wide emission limits specified in Condition 5.5 shall be based on the recordkeeping and reporting requirements of Conditions 5.6 and 5.7 and the use of USEPA approved emissions estimating guidance.

- a. For the purpose of estimating fugitive VOM emissions from components at the source, the emission factors found in "Marketing Terminal Emission Factors" published by USEPA on the Technology Transfer Network bulletin board in February, 1995 are acceptable.
- b. For the purpose of estimating HAP emissions from equipment at the source, the vapor weight percent (based on a 1992 USEPA survey) of each HAP for each product times the VOM emissions contributed by that product is acceptable.
- c. Total VOM and HAP emissions at the source shall be determined as the sum of the respective VOM and HAP emissions from the storage tanks of Section 7 and fugitive emissions from the launchers, receiver, and process components.

5.9.2 Compliance provisions addressing Condition 5.2.2(a) are not set by this permit as compliance is assumed to be achieved by the historical operation of the source.

5.9.3 Compliance with Condition 5.2.2(b) is addressed by all storage tanks of Section 3 equipped with a submerged loading pipe.

- 5.9.4 Compliance provisions with Condition 5.2.2(c) are not set by this permit and compliance is assumed to be achieved because the oil-water separator of Condition 3.1.1 processes a maximum of 240 gal/day of wastewater with an average VOM concentration of 48.9 mg/l, thus processing less than 200 gal/day of organic material.
- 5.9.5 Compliance provisions with Condition 5.2.2(d) are not set by this permit and compliance is assumed to be achieved because the safety release valves on the storage tanks are routed to the internal floating roof storage tank 490 of Section 7.1 and not to the atmosphere.
- 5.9.6 Compliance with Condition 5.2.2(e) is addressed by the work practice requirements of Condition 5.4.2, the recordkeeping required by Condition 5.6.3, and the reporting required by 5.7.1.
- 5.9.7 Compliance with Condition 5.2.4 is addressed by the work practice requirements of Condition 5.4.1 and the recordkeeping required by Condition 5.6.2.

PROPOSED CAAPP PERMIT
Explorer Pipeline Company
I.D. No.: 119801AAA
Application No.: 95090068
April 13, 2000

6.0 [NOT APPLICABLE TO THIS PERMIT]

7.0 UNIT SPECIFIC CONDITIONS

7.1 Unit Tanks 420, 421, 422, 430, 431 and 490
 Control Internal Floating Roof with Mechanical Shoe Primary Seal
 and Submerged Loading Pipe

7.1.1 Description

Six internal floating roof storage tanks currently used to store gasoline. Permanent submerged loading is used on these tanks, minimizing turbulence and evaporation of VOM during loading.

7.1.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Capacity	Emission Control Equipment
Tank 420	2,220,246 gal	Internal floating roof with mechanical shoe primary seal and submerged loading pipe
Tank 421	4,464,348 gal	Internal floating roof with mechanical shoe primary seal and submerged loading pipe
Tank 422	2,352,000 gal	Internal floating roof with mechanical shoe primary seal and submerged loading pipe
Tank 430	4,620,000 gal	Internal floating roof with mechanical shoe primary seal and submerged loading pipe
Tank 431	4,620,000 gal	Internal floating roof with mechanical shoe primary seal and submerged loading pipe
Tank 490	462,000 gal	Internal floating roof with mechanical shoe primary seal and submerged loading pipe

7.1.3 Applicability Provisions and Applicable Regulations

- a. An "affected storage tank" for the purpose of these unit-specific conditions, is a storage vessel with an

internal floating roof in the service of storing gasoline (includes transmix) that has a storage capacity greater than or equal to 151 m³ (40,000 gal) and was constructed, reconstructed, or modified after June 11, 1973 and prior to May 19, 1978.

- b. Each affected storage tank is subject to 40 CFR 60, Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 as further addressed in Condition 7.1.5(b). The Illinois EPA is administering this regulation in Illinois on behalf of the USEPA under a delegation agreement.
- c. Each affected storage tank is subject to the control requirements of 35 IAC 219.121 for the storage of VPL as further addressed in Condition 7.1.5(c).
- d. Each affected storage tank is subject to Conditions 5.2.2(b) and 5.2.3 as further addressed in Conditions 7.1.5(d) and 7.1.5(a), respectively.

7.1.4 Non-Applicability of Regulations of Concern

- a. This permit is issued based on an affected storage tank not being subject to the 40 CFR 60, Subpart Ka - Standards of Performance for Storage Vessels of Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 because each affected storage tank was constructed, reconstructed or modified prior to May 18, 1978.
- b. This permit is issued based on an affected storage tank not being subject to the 40 CFR 60, Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 because each affected storage tank was constructed, reconstructed or modified prior to July 23, 1984.
- c. This permit is issued based on an affected storage tank not being subject to 35 IAC 219.120 - Control Requirements for Storage Containers of VOL because

each affected storage tank stores petroleum liquid, pursuant to 35 IAC 219.119(e).

- d. This permit is issued based on an affected storage tank not being subject to 35 IAC 219.123(b) - Petroleum Liquid Storage Tanks because each affected storage tank is subject to the NSPS requirements, pursuant to 35 IAC 219.123(a)(5).
- e. This permit is issued based on an affected storage tank not being subject to 35 IAC 219.124(a) - External Floating Roofs because all affected storage tanks do not have external floating roofs.
- f. This permit is issued based on an affected storage tank not being subject to 35 IAC 219.127 - Testing VOL Operations because each affected storage tank is not subject to 35 IAC 219.120.
- g. This permit is issued based on an affected storage tank not being subject to 35 IAC 219.128 - Monitoring VOL Operations because each affected storage tank is not subject to 35 IAC 219.120.
- h. This permit is issued based on an affected storage tank not being subject to 35 IAC 219.129 - Recordkeeping and Reporting for VOL Operations because each affected storage tank is not subject to 35 IAC 219.120.

7.1.5 Control Requirements

- a. This permit is issued based on each affected storage tank satisfying the control requirements of Condition 5.2.3 as referenced by Condition 7.1.3(d) by being equipped with an internal floating roof with a mechanical shoe seal that consists of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof along with an envelope that consists of a flexible coated fabric that spans the annular space between the metal sheet and the floating roof. [40 CFR 60.112b(a)(1)(i) and (a)(1)(ii)(C)]

- b. This permit is issued based on each affected storage tank satisfying the control requirements of Condition 7.1.3(b) by being equipped with a floating roof.
- c. This permit is issued based on each affected storage tank satisfying the control requirements Condition 7.1.3(c) by being equipped with a floating roof which rests on the surface of the VPL (includes gasoline and transmix) and a closure seal or seals between the roof edge and the tank wall. [35 IAC 219.121(b)(1)]
- d. This permit is issued based on each affected storage tank satisfying the control requirements of Condition 5.2.2(c) as referenced by Condition 7.1.3(d) by having a submerged loading pipe.

7.1.6 Emission Limitations

In addition to Condition 5.2.2 and the source wide emission limitations in Condition 5.5, each affected storage tank is subject to the following:

N/A

7.1.7 Equipment Standards and Operating Requirements

- a. Each affected storage tank with a noncontact internal floating roof shall have each opening, except for automatic bleeder vents (vacuum breaker vents) and the rim space vents, provide a projection below the liquid surface. [40 CFR 60.112b(a)(1)(iii) as referenced by 40 CFR 63.423(a)]
- b. No person shall cause or allow the emissions of air contaminants into the atmosphere from any gauging or sampling devices attached to an affected storage tank, except during sampling or maintenance operations. [35 IAC 219.121(b)(1)]

7.1.8 Inspection and Work Practice Requirements

The Permittee shall perform one of the two following ongoing inspections on each affected storage:

- a. Visually inspect the internal floating roof and the secondary seal through manholes and roof hatches on

the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the gasoline inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the Permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Illinois EPA in the inspection report required in Condition 7.1.10(b). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible [40 CFR 60.113b(a)(2) and 60.113b(a)(3)(ii) as referenced by 40 CFR 63.425(d)]; OR

- b. Visually inspect the internal floating roof, the primary seal, and the secondary seal each time the storage vessel is emptied and degassed but in no event shall inspections occur at intervals greater than 5 years. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, the Permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with gasoline. [40 CFR 60.113b(a)(4) and 60.113b(a)(3)(i) as referenced by 40 CFR 63.425(d)]

7.1.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for each affected storage tank to demonstrate compliance with Conditions 5.5.1 and 7.1.8, pursuant to Section 39.5(7)(b) of the Act, 40 CFR Part 60, Subpart K, and 40 CFR Part 63, Subpart R.

PROPOSED CAAPP PERMIT
Explorer Pipeline Company
I.D. No.: 119801AAA
Application No.: 95090068
April 13, 2000

- a. The Permittee shall keep the following records for each affected storage tank:
- i. Keep a record of each inspection performed as required by Condition 7.1.8. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). [40 CFR 60.115b(a)(2) as referenced by 40 CFR 63.428(d)]
 - ii. Keep a record showing the dimensions and an analysis showing the capacity of each affected storage tank. [40 CFR 60.116b(b) as referenced by 40 CFR 63.427(c)]
 - iii. Maintain a record of the maximum true vapor pressure and the period of storage for the gasoline stored in each affected storage tank. [40 CFR 60.116b(c) as referenced by 40 CFR 63.427(c)]
 - iv. All records shall be kept for 5 years from the date of entry for each record while the record required by Condition 7.1.9(a)(ii) shall be maintained as long as the affected storage tank is in the service of storing gasoline. [40 CFR 63.427(c) and 63.428(d)]
- b. The Permittee shall keep the following records for each affected storage tank. Specific records required by Condition 7.1.9(a) might be identical to those required by this condition and can be satisfied simultaneously, however, this does not relieve the Permittee from the responsibility of complying with either condition where differences exist.
- i. Petroleum liquid stored (e.g., gasoline or transmix), the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period. [40 CFR 60.113(a)]

- ii. The maximum true vapor pressure shall be determined by the methods and procedures described in Condition 5.4.1.
- c. The Permittee shall keep records of petroleum liquid (includes VPL, gasoline, and transmix) throughput for each affected storage tank on a calendar year basis.

7.1.10 Reporting Requirements

Promptly notify the Illinois EPA, Compliance Section of noncompliance of an affected storage tank with any of the permit requirements, pursuant to Section 39.5(7)(f)(ii) of the Act, 40 CFR Part 60, Subpart K, and 40 CFR Part 63, Subpart R. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken.

- a. Notify the Illinois EPA in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by Condition 7.1.8(b) to afford the Illinois EPA the opportunity to have an observer present. If the inspection required by Condition 7.1.8(b) is not planned and the Permittee could not have known about the inspection 30 days in advance of refilling the storage vessel, the Permittee shall notify the Illinois EPA at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Illinois EPA at least 7 days prior to the refilling. [40 CFR 60.113b(a)(5) as referenced by 40 CFR 63.425(d)]
- b. Furnish reports after each inspection required by Condition 7.1.8(a) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in the inspection procedures of Condition 7.1.8(a), a report shall be furnished to the Illinois EPA within 30 days of the inspection. The report shall identify the storage vessel and the reason why

it did not meet the specifications in Conditions 7.1.5(a), 7.1.7(a) and 7.1.8(a). [40 CFR 60.115b(a)(4) as referenced by 40 CFR 63.428(d)]

- c. Include in a semiannual report the periodic reports of Condition 7.1.10(b). [40 CFR 63.428(g)(2)]

7.1.11 Operational Flexibility / Anticipated Operating Scenarios

- a. The Permittee is authorized to store VPLs other than gasoline or transmix that have a true vapor pressure of less than 11.1 psia, as stored, in any of the affected storage tanks.
 - i. In such instances, Conditions 7.1.7(a), 7.1.8(a), 7.1.8(b), 7.1.9(a), 7.1.10(b), and 7.1.10(c) applicable to such an affected storage tank storing gasoline or transmix shall no longer apply.
 - ii. Upon resuming storage of gasoline or transmix in an affected storage tank, the applicable unit-specific conditions of this permit shall again apply to such an affected storage tank. In addition, prior to returning such an affected storage tank to storage of gasoline or transmix, the Permittee shall inspect the affected storage tank in accordance with Condition 7.1.8(b) and notify the Illinois EPA as required by Condition 7.1.10(a).
- b. The Permittee is authorized to store petroleum liquids other than VPL with a true vapor pressure less than 1.0 psia, as stored, (e.g., fuel oils) in any of the affected storage tanks.
 - i. In such instances, Conditions 7.1.7(a), 7.1.7(b), 7.1.8(a), 7.1.8(b), 7.1.9(a), 7.1.9(b), 7.1.10(b), and 7.1.10(c) applicable to such an affected storage tank storing VPL shall no longer apply.
 - ii. Upon resuming storage of petroleum liquids with a true vapor pressure of greater than or equal to 1.0 psia, as stored, in an affected storage tank, the applicable unit-specific

conditions of this permit shall again apply to such an affected storage tank. In addition, prior to returning such an affected storage tank to storage of petroleum liquids with a true vapor pressure of greater than or equal to 1.0 psia, as stored, the Permittee shall inspect the affected storage tank by the methods described in Condition 7.1.8(b) and notify the Illinois EPA outlined by Condition 7.1.10(a).

- c. This condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for any activity constituting construction or modification of an emission unit, as defined in 35 IAC 201.102.

7.1.12 Compliance Procedures

- a. Compliance with Conditions 7.1.3(b), 7.1.3(c), and 7.1.3(d) is addressed by all affected storage tanks equipped with the control equipment described in Conditions 7.1.5(a), 7.1.5(b), 7.1.5(c), and 7.1.5(d).
- b. Compliance with the inspection requirements and work practices of Condition 7.1.8 is addressed by the recordkeeping required by Condition 7.1.9(a)(i).
- c. For the purpose of estimating VOM emissions from an affected storage tank, the current version of the TANKS program is acceptable.

7.2 Unit Tank 439
 Control External Floating Roof with Mechanical Shoe Primary Seal,
 Rim Mounted Secondary Seal, and Submerged Loading Pipe

7.2.1 Description

An external floating roof storage tank currently used to store gasoline. Permanent submerged loading is used on this tank, minimizing turbulence and evaporation of VOM during loading.

7.2.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Capacity	Emission Control Equipment
Tank 439	2,050,524 gal	External floating roof with mechanical shoe primary seal, rim mounted secondary seal, and submerged loading pipe

7.2.3 Applicability Provisions and Applicable Regulations

- a. An "affected storage tank" for the purpose of these unit-specific conditions, is a storage vessel with an external floating roof in the service of storing gasoline (includes transmix) that has a storage capacity greater than or equal to 151 m³ (40,000 gal) and was constructed, reconstructed, or modified prior to June 11, 1973.
- b. The affected storage tank is subject to the control requirements of 35 IAC 219.121 for the storage of VPL as further addressed in Condition 7.2.5(b).
- c. The affected storage tank is subject to the equipment standards, operating requirements, inspections, and recordkeeping of 35 IAC 219.123(b) for storage of VPL as further addressed in Conditions 7.2.7, 7.2.8, and 7.2.9.
- d. The affected storage tank is subject to the control requirements, equipment standards, operating requirements, inspections, and recordkeeping of 35

IAC.124(a) for storage of VPL in a storage tank with an external floating roof as further addressed in Conditions 7.2.5, 7.2.7, 7.2.8, and 7.2.9.

- e. The affected storage tank is subject to Conditions 5.2.2(c) and 5.2.3 as further addressed in Conditions 7.2.5(c) and 7.2.5(a), respectively.

7.2.4 Non-Applicability of Regulations of Concern

- a. This permit is issued based on the affected storage tank not being subject to the 40 CFR 60, Subpart K - Standards of Performance for Storage Vessels of Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and prior to May 19, 1978 because the affected storage tank was constructed, reconstructed or modified prior to May 19, 1978.
- b. This permit is issued based on the affected storage tank not being subject to the 40 CFR 60, Subpart Ka - Standards of Performance for Storage Vessels of Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 because the affected storage tank was constructed, reconstructed or modified prior to May 18, 1978.
- c. This permit is issued based on the affected storage tank not being subject to the 40 CFR 60, Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 because the affected storage tank was constructed, reconstructed or modified prior to July 23, 1984.
- d. This permit is issued based on the affected storage tank not being subject to 35 IAC 219.120 - Control Requirements for Storage Containers of VOL because the affected storage tank stores petroleum liquid, pursuant to 35 IAC 219.119(e).
- e. This permit is issued based on the affected storage tank not being subject to 35 IAC 219.127 - Testing

VOL Operations because the affected storage tank is not subject to 35 IAC 219.120.

- f. This permit is issued based on the affected storage tank not being subject to 35 IAC 219.128 - Monitoring VOL Operations because the affected storage tank is not subject to 35 IAC 219.120.
- g. This permit is issued based on the affected storage tank not being subject to 35 IAC 219.129 - Recordkeeping and Reporting for VOL Operations because the affected storage tank is not subject to 35 IAC 219.120.

7.2.5 Control Requirements

- a. This permit is issued based on the affected storage tank satisfying the control requirements of Condition 5.2.3 as referenced by Condition 7.2.3(e) by being equipped with an external floating roof with a mechanical shoe primary seal and rim mounted secondary seal that completely covers the annular space between the external floating roof and the wall of the storage vessel. [40 CFR 60.112b(a)(2)(i)(A) and 60.112b(a)(2)(i)(B) as referenced by 40 CFR 63.423(a)]
- b. This permit is issued based on the affected storage tank satisfying the control requirements of Condition 7.2.3(b) and Condition 7.2.3(d) by being equipped with a floating roof which rests on the surface of the VPL that has a primary closure seal between the roof edge and the tank wall and a continuous secondary seal extending from the floating roof to the tank wall (rim mounted secondary seal). [35 IAC 219.121(b)(1) and 219.124(a)(1)(A)]
- c. This permit is issued based on the affected storage tank satisfying the control requirements of Condition 5.2.2(c) as referenced by Condition 7.2.3(e) by having a submerged loading pipe.

7.2.6 Emission Limitations

In addition to Condition 5.2.2 and the source wide emission limitations in Condition 5.5, each affected storage tank is subject to the following:

N/A

7.2.7 Equipment Standards and Operating Requirements

- a. The affected storage tank shall be operated in the following manner:
 - i. One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. There are to be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. [40 CFR 60.113b(b)(4)(i)(A) and 60.113b(b)(4)(i)(B) as referenced by 40 CFR 63.425(d)]
 - ii. The secondary seal is to be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall. There are to be no holes, tears, or other openings in the seal or seal fabric. [40 CFR 60.113b(b)(4)(ii)(A) and 60.113b(b)(4)(ii)(C) as referenced by 40 CFR 63.425(d)]
 - iii. The accumulated area of gaps between the tank wall and the mechanical shoe shall not exceed 212 cm² per meter of tank diameter, where the width of any portion of any gap shall not exceed 3.81 cm, and the accumulated area of gaps between the tank wall and the secondary seal shall not exceed 21.2 cm² per meter of tank diameter, where the width of any portion of any gap shall not exceed 1.27 cm. [40 CFR 60.113b(b)(4)(i) and 60.113b(b)(4)(ii)(B) as referenced by 40 CFR 63.425(d)]
 - iv. The roof shall be floating at all times except when empty and resting on the leg supports. Emptying and refilling the tank when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. [40 CFR 60.112b(a)(2)(iii) as referenced by 40 CFR 63.423(a)]

- b. No person shall cause or allow the emissions of air contaminants into the atmosphere from any gauging or sampling devices attached to an affected storage tank, except during sampling or maintenance operations. [35 IAC 219.121(b)(1)]

- c. The Permittee shall not cause or allow the storage of any VPL in the affected storage tank unless the affected storage tank contains the following equipment standards and operating requirements. Specific equipment standards and operating requirements required by Condition 7.2.7(a) might be identical to those required by this condition and can be satisfied simultaneously, however, this does not relieve the Permittee from the responsibility of complying with either condition where differences exist.
 - i. There are no visible holes, tears, or other defects in the seal or seal fabric or material of the floating roof. [35 IAC 219.123(b)(2)]

 - ii. All openings of the floating roof deck, except for stub drains, are equipped with covers, lids or seals such that: [35 IAC 219.123(b)(3)]
 - A. The cover, lid, or seal is in the closed position at all times except when VPL is transferred to or from the affected storage tank;

 - B. Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and

 - C. Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.

 - iii. Each seal closure device on the external floating roof shall meet the following requirements: [35 IAC 219.124(a)(2)]

- A. The seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and tank wall; and
 - B. The accumulated area of gaps exceeding 0.32 centimeter (0.125 inch) in width between the secondary seal and the tank wall shall not exceed 21.2 square centimeters per meter (1.0 square inch per foot) of tank diameter.
- iv. Emergency roof drains are provided with slotted membrane fabric covers or equivalent covers across at least 90 percent of the area of the opening. [35 IAC 219.124(a)(3)]
 - v. Openings are equipped with projections into the tank which remain below the liquid surface at all times. [35 IAC 219.124(a)(4)]

7.2.8 Inspection and Work Practice Requirements

- a. The Permittee shall perform the following ongoing inspections and work practices on the affected storage tank:
 - i. Determine the gap areas and the maximum gap widths between the primary seal and the wall of the storage vessel, during hydrostatic testing or within 60 days of an initial fill with gasoline and every 5 years thereafter, and between the secondary seal and the wall of the storage vessel, within 60 days of an initial fill with gasoline and at least once per year thereafter. An initial fill is whenever the storage vessel is filled with gasoline after it has ceased storing gasoline for a period exceeding 1 year or more. [40 CFR 60.113b(b)(1)(i), 60.113b(b)(1)(ii), and 60.113(b)(1)(iii) as referenced by 40 CFR 63.425(d)]
 - ii. The seal gaps shall be measured, at one or more floating levels when the roof is floating off of the leg supports, and the gap areas

shall be calculated by the following procedures: [40 CFR 60.113b(b)(2)(i) as referenced by 40 CFR 63.425(d)]

- A. Measure seal gaps around the entire circumference of the tank in each place where a 0.32-cm diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the wall of the storage vessel and measure the circumferential distance of each such location. [40 CFR 60.113b(b)(2)(ii) as referenced by 40 CFR 63.425(d)]
 - B. The total surface area of each gap described above shall be determined by using probes of various widths to measure accurately the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance. [40 CFR 60.113b(b)(2)(iii) as referenced by 40 CFR 63.425(d)]
 - C. Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in Condition 7.2.7(a)(iii). [40 CFR 60.113b(b)(3) as referenced by 40 CFR 63.425(d)]
- iii. The Permittee shall make necessary repairs or empty the affected storage tank within 45 days of identification in any inspection of seals not meeting the requirements of Condition 7.2.7(a)(i), (ii), and (iii). If repairs cannot be made or the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Illinois EPA in the inspection report required by Condition 7.2.10(a)(iv). Such extension request must include a demonstration of unavailability of alternate storage capacity and a specification of a schedule that will assure that the

control equipment will be repaired or the vessel will be emptied as soon as possible. [40 CFR 60.113b(b)(4)(iii) as referenced by 40 CFR 63.425(d)]

- iv. Visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed. If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, the Permittee shall repair the items as necessary so that none of these exist before refilling the storage vessel with gasoline. [40 CFR 60.113b(b)(6)(i) as referenced by 40 CFR 63.425(d)]

- b. The Permittee shall perform the following ongoing inspections and work practices. Specific inspections and work practices required by Condition 7.2.8(a) might be identical to those required by this condition and can be satisfied simultaneously, however, this does not relieve the Permittee from the responsibility of complying with either condition where differences exist.
 - i. The Permittee shall perform both routine inspections of floating roof seals through roof hatches once every six months and complete inspections of the floating roof cover and seals whenever the tank is emptied for reasons of inspections or repairs resulting from damages or defects but excluding when the affected storage tank is emptied for the transportation of VPL during normal operation. [35 IAC 219.123(b)(4) and 219.123(b)(5)]

 - ii. The Permittee shall physically measure the length and width of all gaps around the entire circumference of the secondary seal in each place where a 0.32 cm (0.125 in) uniform diameter probe passes freely (without forcing or binding against the seal) between the seal

and tank wall and sum the areas of the individual gaps prior to May 1 of each year, along with any inspections, and within 30 days of a written request from the Illinois EPA. [35 IAC 219.124(a)(2)(B)(i), 219.124(a)(2)(B)(ii), 219.124(a)(5), and 219.124(a)(6)]

7.2.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the affected storage tank to demonstrate compliance with Conditions 5.5.1 and 7.2.8, pursuant to Section 39.5(7)(b) of the Act and 40 CFR Part 63, Subpart R, and 35 IAC Part 219, Subpart B:

- a. The Permittee shall keep the following records for the affected storage tank:
 - i. Keep a record of each gap measurement performed as required by Condition 7.2.8(a). Each record shall identify the storage vessel in which the measurement was performed and shall contain: [40 CFR 60.115b(b)(3) as referenced by 40 CFR 63.428(d)]
 - A. The date of measurement.
 - B. The raw data obtained in the measurement.
 - C. The calculations described in Condition 7.2.8(a)(ii).
 - ii. Keep a record of showing the dimensions and analysis showing the capacity of the affected storage tank. [40 CFR 60.116b(b) as referenced by 40 CFR 63.427(c)]
 - iii. Maintain a record of the maximum true vapor and the period of storage for the gasoline stored in this affected storage tank. [40 CFR 60.116b(c) as referenced by 40 CFR 63.427(c)]
 - iv. All records shall be kept for 5 years from the date of entry for each record while the record

required by Condition 7.2.9(a)(ii) shall be maintained as long as the affected storage tank is in the service of storing gasoline. [40 CFR 63.427(c) and 63.428(d)]

- b. The Permittee shall keep records of the types of VPL stored, the maximum true vapor pressure of the VPL stored, and the inspections and measurements required by Conditions 7.2.8(b)(i) and 7.2.8(b)(ii) for a period of 5 years from the date of entry. Specific records required by Condition 7.2.9(a) might be identical to those required by this condition and can be satisfied simultaneously, however, this does not relieve the Permittee from the responsibility of complying with either condition where differences exist. [35 IAC 219.124(a)(2)(A)(ii)(7)]
- c. The Permittee shall keep records of petroleum liquid (includes VPL, gasoline, and transmix) throughput for the affected storage tank on a calendar year basis.

7.2.10 Reporting Requirements

Promptly notify the Illinois EPA, Compliance Section of noncompliance of an affected storage tank with any of the permit requirements, pursuant to Section 39.5(7)(f)(ii) of the Act and 40 CFR Part 63, Subpart R. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken:

- a. Notify the Illinois EPA 30 days in advance of any gap measurements required by Condition 7.2.8(a)(i) to afford the Illinois EPA the opportunity to have an observer present. [40 CFR 60.113b(b)(5) as referenced by 40 CFR 63.425(d)]
- b. For all the inspections required by Condition 7.2.8(a)(iv), the Permittee shall notify the Illinois EPA in writing at least 30 days prior to the filling or refilling of each storage vessel to afford the Illinois EPA the opportunity to inspect the storage vessel prior to refilling. If the inspection required by Condition 7.2.8(a)(iv) is not planned and the Permittee could not have known about the inspection 30 days in advance of refilling the tank, the Permittee shall notify the Illinois at least 7

days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Illinois EPA at least 7 days prior to the refilling. [40 CFR 60.113b(b)(6)(ii) as referenced by 40 CFR 63.425(d)]

- c. Within 60 days of performing the seal gap measurements required by Condition 7.2.8(a)(i), furnish the Illinois EPA with a report that contains: [40 CFR 60.115b(b)(2) as referenced by 40 CFR 63.428(d)]
 - i. The date of measurement;
 - ii. The raw data obtained in the measurement; and
 - iii. The calculations described in Condition 7.2.8(a)(ii).
- d. After each seal gap measurement that detects gaps exceeding the limitations specified by Condition 7.2.7(a)(iii), submit a report to the Illinois EPA within 30 days of the inspection. The report will identify the vessel and contain the information specified in Condition 7.2.7(a)(iii) and the date the vessel was emptied or the repairs made and date of repair. [40 CFR 60.115b(b)(4) as referenced by 40 CFR 63.428(d)]
- e. Include in a semiannual report the periodic reports of Conditions 7.2.10(c) and 7.2.10(d). [40 CFR 63.428(g)(2)]

7.2.11 Operational Flexibility / Anticipated Operating Scenarios

- a. The Permittee is authorized to store VPLs other than gasoline or transmix that has a true vapor pressure of less than 11.1 psia, as stored, in the affected storage tank.
 - i. In such instances, Conditions 7.2.7(a), 7.2.8(a)(i), 7.2.8(a)(ii), 7.2.8(a)(iii),

7.2.9(a), 7.2.10(a), 7.2.10(c), 7.2.10(d), and 7.2.10(e) applicable to the affected storage tank storing gasoline or transmix shall no longer apply.

- ii. Upon resuming storage of gasoline or transmix in the affected storage tank, the applicable unit-specific conditions of this section shall again apply to the affected storage tank. In addition, prior to returning the affected storage tank to storage of gasoline or transmix, the Permittee shall inspect the affected storage tank in accordance with Condition 7.2.8(a)(iv) and notify the Illinois EPA required by Condition 7.2.10(b).
- b. The Permittee is authorized to store VPL other than gasoline or transmix with a true vapor pressure less than 4.0 psia at 70 °F in the affected storage tank.
- i. In such instances, Conditions 7.2.7(a), 7.2.7(b)(iii), 7.2.7(b)(iv), 7.2.7(b)(v), 7.2.8(a)(i), 7.2.8(a)(ii), 7.2.8(a)(iii), 7.2.8(b)(ii), 7.2.9(a), 7.2.10(a), 7.2.10(c), 7.2.10(d), and 7.2.10(e) applicable to the affected storage tank storing VPL with a true vapor pressure greater than or equal to 4.0 psia shall no longer apply.
 - ii. Upon resuming storage of petroleum liquids with a true vapor pressure of greater than or equal to 4.0 psia, as stored, in the affected storage tank, the applicable unit-specific conditions of this permit shall again apply to the affected storage tank. In addition, prior to returning the affected storage tank to storage of petroleum liquids with a true vapor pressure of greater than or equal to 4.0 psia, as stored, the Permittee shall inspect the affected storage tank by the methods described in Condition 7.2.8(a)(iv) and notify the Illinois EPA outlined by Condition 7.2.10(b).
- c. The Permittee is authorized to store petroleum liquids other than VPL with a true vapor pressure

less than 1.5 psia, as stored, (e.g., fuel oils) in the affected storage tank.

- i. In such instances, Conditions 7.2.7(a), 7.2.7(b), 7.2.7(c), 7.2.8(a)(i), 7.2.8(a)(ii), 7.2.8(a)(iii), 7.2.8(b), 7.2.9(a), 7.2.9(b), 7.2.10(a), 7.2.10(c), 7.2.10(d), and 7.2.10(e) applicable to such an affected storage tank storing VPL shall no longer apply.
 - ii. Upon resuming storage of petroleum liquids with a true vapor pressure of greater than or equal to 1.5 psia, as stored, in the affected storage tank, the applicable unit-specific conditions of this permit shall again apply to such an affected storage tank. In addition, prior to returning such an affected storage tank to storage of petroleum liquids with a true vapor pressure of greater than or equal to 1.5 psia, as stored, the Permittee shall inspect the affected storage tank by the methods described in Condition 7.2.8(a)(iv) and notify the Illinois EPA outlined by Condition 7.2.10(e).
- d. This condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for any activity constituting construction or modification of an emission unit, as defined in 35 IAC 201.102.

7.2.12 Compliance Procedures

- a. Compliance with Conditions 7.2.3(b), 7.2.3(c), 7.2.3(d), and 7.2.3(e) is addressed by the affected storage tank equipped with the control equipment described in Conditions 7.2.5(a), 7.2.5(b), and 7.2.5(c).
- b. Compliance with the inspection requirements and work practices of Conditions 7.2.8(a) and 7.2.8(b) is addressed by the recordkeeping required by Conditions 7.2.9(a) and 7.2.9(b), respectively.

8.0 GENERAL PERMIT CONDITIONS

8.1 Permit Shield

Pursuant to Section 39.5(7)(j) of the Act, the Permittee has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the Illinois EPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit

This permit shield does not extend to applicable requirements which are promulgated after _____ **{insert public notice start date}** (the date of issuance of the draft permit) unless this permit has been modified to reflect such new requirements.

8.2 Applicability of Title IV Requirements (Acid Deposition Control)

This source is not an affected source under Title IV of the CAA and is not subject to requirements pursuant to Title IV of the CAA.

8.3 Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement [Section 39.5(7)(o)(vii) of the Act].

As of the date of issuance of this permit, there are no such economic incentive, marketable permit or emission trading programs that have been approved by USEPA.

8.4 Operational Flexibility / Anticipated Operating Scenarios

8.4.1 Changes Specifically Addressed by Permit

Physical or operational changes specifically addressed by the Conditions of this permit that have been identified as

not requiring Illinois EPA notification may be implemented without prior notice to the Illinois EPA.

8.4.2 Changes Requiring Prior Notification

The Permittee is authorized to make physical or operational changes without applying for or obtaining an amendment to this permit, provided that the changes do not constitute a modification under Title I of the CAA, emissions will not exceed the emissions allowed under this permit following implementation of the physical or operational change and the Permittee provides written notice to the Illinois EPA, Division of Air Pollution Control, Permit Section, at least 7 days before commencement of the change [Section 39.5(12)(a) of the Act]. This notice shall:

- a. Describe the physical or operational change;
- b. Identify the schedule for implementing the physical or operational change;
- c. Provide a statement of whether or not any New Source Performance Standard (NSPS) is applicable to the physical or operational change and the reason why the NSPS does or does not apply;
- d. Provide emission calculations which demonstrate that the physical or operational change will not result in a modification; and
- e. Provide a certification that the physical or operational change will not result in emissions greater than authorized under the Conditions of this permit.

8.5 Testing Procedures

Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of any tests conducted as required by this permit or as the result

of a request by the Illinois EPA shall be submitted as specified in Condition 8.6.

8.6 Reporting Requirements

8.6.1 Monitoring Reports

If monitoring is required by any applicable requirements or conditions of this permit, a report summarizing the required monitoring results, as specified in the conditions of this permit, shall be submitted to the Air Compliance Section of the Illinois EPA every six months as follows [Section 39.5(7)(f) of the Act]:

<u>Monitoring Period</u>	<u>Report Due Date</u>
January - June	September 1
July - December	March 1

All instances of deviations from permit requirements must be clearly identified in such reports. All such reports shall be certified in accordance with Condition 9.9.

8.6.2 Test Notifications

Unless otherwise specified elsewhere in this permit, a written test plan for any test required by this permit shall be submitted to the Illinois EPA for review at least 60 days prior to the testing pursuant to Section 39.5(7)(a) of the Act. The notification shall include at a minimum:

- a. The name and identification of the affected unit(s);
- b. The person(s) who will be performing sampling and analysis and their experience with similar tests;
- c. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the source and any control equipment will be determined;

- d. The specific determination of emissions and operation which are intended to be made, including sampling and monitoring locations;
- e. The test method(s) which will be used, with the specific analysis method, if the method can be used with different analysis methods;
- f. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification; and
- g. Any proposed use of an alternative test method, with detailed justification.

8.6.3 Test Reports

Unless otherwise specified elsewhere in this permit, the results of any test required by this permit shall be submitted to the Illinois EPA within 60 days of completion of the testing. The test report shall include at a minimum [Section 39.5(7)(e)(i) of the Act]:

- a. The name and identification of the affected unit(s);
- b. The date and time of the sampling or measurements;
- c. The date any analyses were performed;
- d. The name of the company that performed the tests and/or analyses;
- e. The test and analytical methodologies used;
- f. The results of the tests including raw data, and/or analyses including sample calculations;
- g. The operating conditions at the time of the sampling or measurements; and
- h. The name of any relevant observers present including the testing company's representatives, any Illinois EPA or USEPA representatives, and the representatives of the source.

PROPOSED CAAPP PERMIT
Explorer Pipeline Company
I.D. No.: 119801AAA
Application No.: 95090068
April 13, 2000

8.6.4 Reporting Addresses

a. The following addresses should be utilized for the submittal of reports, notifications, and renewals:

i. Illinois EPA - Air Compliance Section

Illinois Environmental Protection Agency
Bureau of Air
Compliance Section (MC 40)
P.O. Box 19276
Springfield, Illinois 62794-9276

ii. Illinois EPA - Air Regional Field Office

Illinois Environmental Protection Agency
Division of Air Pollution Control
2009 Mall Street
Collinsville, Illinois 62234

iii. Illinois EPA - Air Permit Section (MC 11)

Illinois Environmental Protection Agency
Division of Air Pollution Control
Permit Section
P.O. Box 19506
Springfield, Illinois 62794-9506

iv. USEPA Region 5 - Air Branch

USEPA (AR - 17J)
Air & Radiation Division
77 West Jackson Boulevard
Chicago, Illinois 60604

b. Unless otherwise specified in the particular provision of this permit, reports shall be sent to the Illinois EPA - Air Compliance Section with a copy sent to the Illinois EPA - Air Regional Field Office.

8.7 Obligation to Comply with Title I Requirements

Any term, condition, or requirement identified in this permit by T1, T1R, or T1N is established or revised pursuant to 35 IAC Part 203 or 40 CFR 52.21 ("Title I provisions") and incorporated into this permit pursuant to both Section 39.5 and Title I provisions.

PROPOSED CAAPP PERMIT
Explorer Pipeline Company
I.D. No.: 119801AAA
Application No.: 95090068
April 13, 2000

Notwithstanding the expiration date on the first page of this permit, the Title I conditions remain in effect pursuant to Title I provisions until the Illinois EPA deletes or revises them in accordance with Title I procedures.

9.0 STANDARD PERMIT CONDITIONS

9.1 Effect of Permit

9.1.1 The issuance of this permit does not release the Permittee from compliance with State and Federal regulations which are part of the Illinois State Implementation Plan, as well as with other applicable statutes and regulations of the United States or the State of Illinois or applicable ordinances, except as specifically stated in this permit and as allowed by law and rule [Section 39.5(7)(j)(iv) of the Act].

9.1.2 In particular, this permit does not alter or affect the following:

- a. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section;
- b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- c. The applicable requirements of the acid rain program consistent with Section 408(a) of the CAA; and
- d. The ability of USEPA to obtain information from a source pursuant to Section 114 (inspections, monitoring, and entry) of the CAA.

9.1.3 Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

9.2 General Obligations of Permittee

9.2.1 Duty to Comply

The Permittee must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action, permit termination, revocation and reissuance, modification, or

denial of a permit renewal application [Section 39.5(7)(o)(i) of the Act].

The Permittee shall meet applicable requirements that become effective during the permit term in a timely manner unless an alternate schedule for compliance with the applicable requirement is established.

9.2.2 Duty to Maintain Equipment

The Permittee shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements.

9.2.3 Duty to Cease Operation

No person shall cause, threaten or allow the continued operation of any emission unit during malfunction or breakdown of the emission unit or related air pollution control equipment if such operation would cause a violation of an applicable emission standard, regulatory requirement, ambient air quality standard or permit limitation unless such malfunction or breakdown is allowed by a permit condition [Section 39.5(6)(c) of the Act].

9.2.4 Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated thereunder.

9.2.5 Duty to Pay Fees

The Permittee must pay fees to the Illinois EPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto [Section 39.5(7)(o)(vi) of the Act]. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois Environmental Protection Agency, P.O. Box 19276, Springfield, Illinois 62794-9276.

9.3 Obligation to Allow Illinois EPA Surveillance

Upon presentation of proper credentials and other documents, the Permittee shall allow the Illinois EPA, or an authorized representative to perform the following [Section 39.5(7)(p)(ii) of the Act]:

- a. Enter upon the Permittee's premises where an actual or potential emission unit is located; where any regulated equipment, operation, or activity is located or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect during hours of operation any sources, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- d. Sample or monitor any substances or parameters at any location:
 - i. At reasonable times, for the purposes of assuring permit compliance; or
 - ii. As otherwise authorized by the CAA, or the Act.
- e. Obtain and remove samples of any discharge or emission of pollutants; and
- f. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source.

9.4 Obligation to Comply With Other Requirements

The issuance of this permit does not release the Permittee from applicable State and Federal laws and regulations, and applicable local ordinances addressing subjects other than air pollution control.

9.5 Liability

9.5.1 Title

This permit shall not be considered as in any manner affecting the title of the premises upon which the permitted source is located.

9.5.2 Liability of Permittee

This permit does not release the Permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the sources.

9.5.3 Structural Stability

This permit does not take into consideration or attest to the structural stability of any unit or part of the source.

9.5.4 Illinois EPA Liability

This permit in no manner implies or suggests that the Illinois EPA (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the source.

9.5.5 Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege [Section 39.5(7)(o)(iv) of the Act].

9.6 Recordkeeping

9.6.1 Control Equipment Maintenance Records

A maintenance record shall be kept on the premises for each item of air pollution control equipment. As a minimum, this record shall show the dates of performance and nature of preventative maintenance activities.

9.6.2 Records of Changes in Operation

A record shall be kept describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes [Section 39.5(12)(b)(iv) of the Act].

9.6.3 Retention of Records

- a. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit [Section 39.5(7)(e)(ii) of the Act].
- b. Other records required by this permit shall be retained for a period of at least 5 years from the date of entry unless a longer period is specified by a particular permit provision.

9.7 Annual Emissions Report

The Permittee shall submit an annual emissions report to the Illinois EPA, Compliance Section no later than May 1 of the following year, as required by 35 IAC Part 254.

9.8 Requirements for Compliance Certification

Pursuant to Section 39.5(7)(p)(v) of the Act, the Permittee shall submit compliance certifications annually or more frequently as specified in the applicable requirement or by permit condition.

- a. The certification shall include the identification of each term or condition of this permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.

- b. All compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the Illinois EPA.
- c. All compliance reports required to be submitted shall include a certification in accordance with Condition 9.9.

9.9 Certification

Any document (including reports) required to be submitted by this permit shall contain a certification by a responsible official of the Permittee that meets the requirements of Section 39.5(5) of the Act [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included as an attachment to this permit.

9.10 Defense to Enforcement Actions

9.10.1 Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit [Section 39.5(7)(o)(ii) of the Act].

9.10.2 Emergency Provision

- a. An emergency shall be an affirmative defense to an action brought for noncompliance with the technology-based emission limitations under this permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:
 - i. An emergency occurred as provided in Section 39.5(7)(k) of the Act and the Permittee can identify the cause(s) of the emergency. Normally, an act of God such as lightning or flood is considered an emergency;
 - ii. The permitted source was at the time being properly operated;
 - iii. The Permittee submitted notice of the emergency to the Illinois EPA within two working days of the time when emission

limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

- iv. During the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or regulations in this permit.
- b. This provision is in addition to any emergency or upset provision contained in any applicable requirement. This provision does not relieve a Permittee of any reporting obligations under existing federal or state laws or regulations.

9.11 Permanent Shutdown

This permit only covers emission units and control equipment while physically present at the indicated source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

9.12 Reopening and Reissuing Permit for Cause

9.12.1 Permit Actions

This permit may be modified, reopened, and reissued, for cause pursuant to Section 39.5(15) of the Act. The filing of a request by the Permittee for a permit modification, revocation, and reissuance, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition [Section 39.5(7)(o)(iii) of the Act].

9.12.2 Reopening and Revision

This permit must be reopened and revised if any of the following occur [Section 39.5(15)(a) of the Act]:

- a. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- b. Additional requirements become applicable to an affected source for acid deposition under the acid rain program;
- c. The Illinois EPA or USEPA determines that this permit contains a material mistake or inaccurate statement when establishing the emission standards or limitations, or other terms or conditions of this permit; and
- d. The Illinois EPA or USEPA determines that this permit must be revised to ensure compliance with the applicable requirements of the Act.

9.12.3 Inaccurate Application

The Illinois EPA has issued this permit based upon the information submitted by the Permittee in the permit application. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation under Section 39.5(15)(b) of the Act.

9.12.4 Duty to Provide Information

The Permittee shall furnish to the Illinois EPA, within a reasonable time specified by the Illinois EPA any information that the Illinois EPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to the Illinois EPA copies of records required to be kept by this permit, or for information claimed to be confidential, the Permittee may furnish such records directly to USEPA along with a claim of confidentiality [Section 39.5(7)(o)(v) of the Act].

9.13 Severability Clause

The provisions of this permit are severable, and should any one or more be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected. The rights and obligations of the Permittee shall be construed and enforced as if

PROPOSED CAAPP PERMIT
Explorer Pipeline Company
I.D. No.: 119801AAA
Application No.: 95090068
April 13, 2000

this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force [Section 39.5(7)(i) of the Act].

9.14 Permit Expiration and Renewal

The right to operate terminates on the expiration date unless the Permittee has submitted a timely and complete renewal application. For a renewal to be timely it must be submitted no later than 9 and no sooner than 12 months prior to expiration. The equipment may continue to operate during the renewal period until final action is taken by the Illinois EPA, in accordance with the original permit conditions [Section 39.5(5)(l), (n), and (o) of the Act].

PROPOSED CAAPP PERMIT
 Explorer Pipeline Company
 I.D. No.: 119801AAA
 Application No.: 95090068
 April 13, 2000

10.0 ATTACHMENTS

10.1 Attachment 1 Summary of Significant Emission Units

TABLE 1-1

Section	Tank No.	Type	Capacity (gallons)	Primary Seal	Secondary Seal	Date Constructed	Submerged Loading
7.1	420	Internal Floating Roof	2,220,246	Liquid Mounted	-	February 1974	Yes
7.1	421	Internal Floating Roof	4,464,348	Liquid Mounted	-	February 1974	Yes
7.1	422	Internal Floating Roof	2,352,000	Liquid Mounted	-	February 1974	Yes
7.1	430	Internal Floating Roof	4,620,000	Liquid Mounted	-	February 1974	Yes
7.1	431	Internal Floating Roof	4,620,000	Liquid Mounted	-	February 1974	Yes
7.2	439	External Floating Roof	2,050,524	Mechanical Shoe	Rim Mounted	Before June 11, 1973	Yes
7.1	490	Internal Floating Roof	4,620,000	Liquid Mounted	-	February 1974	Yes

PROPOSED CAAPP PERMIT
Explorer Pipeline Company
I.D. No.: 119801AAA
Application No.: 95090068
April 13, 2000

10.2 Attachment 2 Certification by a Responsible Official

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____

Name: _____

Official Title: _____

Telephone No.: _____

Date Signed: _____

DCC:psj

I. INTRODUCTION

This source has applied for a Clean Air Act Permit Program (CAAPP) operating permit for its existing operation. The CAAPP is the program established in Illinois for the operating permits for significant stationary sources required by the federal Clean Air Act, as amended in 1990. The conditions in a CAAPP permit are enforceable by both the Illinois Environmental Protection Agency (Illinois EPA) and the USEPA.

The source is a petroleum pipeline breakout station located in the vicinity of Wood River, Illinois. The Wood River Facility receives fuels such as gasoline, transmix, No. 2 fuel oil, and jet kerosene via pipeline in "batches" that may or may not be separated by neoprene spheres. If spheres are used, they are captured by a "receiver" and launched by one of two "launchers" when product is pumped out.

Products are stored in storage tanks for various time intervals prior to routing the products to various customers via pipeline. Gasoline and transmix are stored in one of six internal floating roof tanks or in an external floating roof tank. No. 2 fuel oil and jet kerosene are stored in one of five cone, fixed roof tanks.

Periodically when water accumulates in the tanks, the water is drawn off and processed by a packed column air stripper to remove VOM from the wastewater stream.

II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Units	Description	Date Constructed	Emission Control Equipment
Tanks 420, 421, 422, 430, 431, and 490	Internal floating roof	February 1974	Submerged fill, mechanical shoe primary seal
Tank 439	External floating roof	Before June 11, 1973	Submerged fill, mechanical shoe primary seal, and rim mounted secondary seal

III. EMISSIONS

This source is required to have a CAAPP permit since it is a major source of emissions.

For purposes of fees, the source is allowed the following emissions:

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Volatile Organic Material (VOM)	447.59

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois.

All emission sources in Illinois must comply with the federal New Source Performance Standards (NSPS). The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.

All emission sources in Illinois must comply with the federal National Emission Standards for Hazardous Air Pollutants (NESHAP). The Illinois EPA is administering NESHAP in Illinois on behalf of the United States EPA under a delegation agreement.

V. PROPOSED PERMIT

CAAPP

A CAAPP permit contains all conditions that apply to a source and a listing of the applicable state and federal air pollution control regulations that are the origin of the conditions. The permit also contains emission limits and appropriate compliance procedures. The appropriate compliance procedures may include inspections, work practices, monitoring, record keeping, and reporting to show compliance with these requirements. The Permittee must carry out these procedures on an on-going basis.

Title I

A combined Title I/CAAPP permit contains terms and conditions established by the Illinois EPA pursuant to authority found in Title I provisions, e.g., 40 CFR 52.21 - federal Prevention of Significant Deterioration (PSD) and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Notwithstanding the expiration date on the first page of the permit, the Title I conditions remain in effect pursuant to Title I provisions until the Illinois EPA deletes or revises them in accordance with Title I procedures.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that this source's permit application meets the standards for issuance of a CAAPP permit. The Illinois EPA is therefore proposing to issue a CAAPP permit, subject to the conditions proposed in the draft permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 164.

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