



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: September 24, 2019

Effective Date: September 24, 2019

Expiration Date: [REDACTED]

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 42-004K

Federal Tax Id - Plant Code: 22-2318612-2

Owner Information

Name: AMER REF GROUP INC  
Mailing Address: 77 N KENDALL AVE  
BRADFORD, PA 16701-1726

Plant Information

Plant: AMER REF GROUP/BRADFORD  
Location: 42 McKean County 42001 Bradford City  
SIC Code: 2911 Manufacturing - Petroleum Refining

Responsible Official

Name: DAVID A. BREITIGAM  
Title: VP OF EHS  
Phone: (814) 368 - 1283

Plan Approval Contact Person

Name: JASON GOODLING  
Title: MGR ENV & REGULATORY AFF  
Phone: (814) 368 - 1223

[Signature]

ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER



Pages 2-4, 6-10, and 14-31 are redacted entirely.

**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
206B	GATHERED EQUIPMENT LEAKS	1.000 BBL/HR	
FL302	GATHERED EQUIPMENT LEAKS FLARE	2.142 MMCF/HR	GATHERED EQUIP LEAKS
S302	STACK FOR FLARE 302		

**PERMIT MAPS**

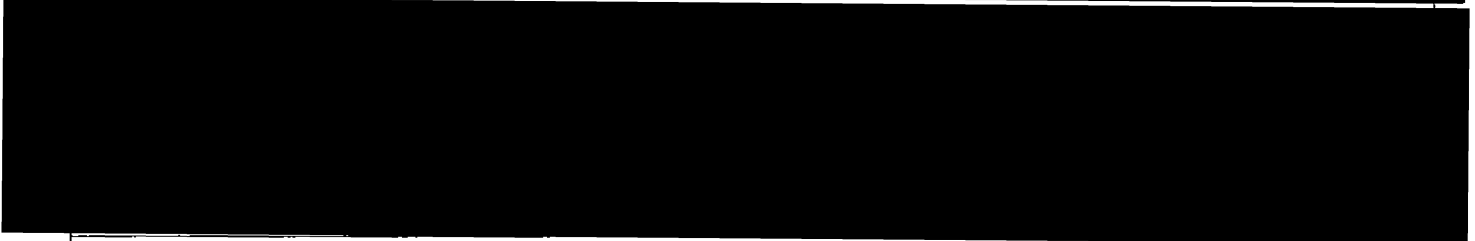
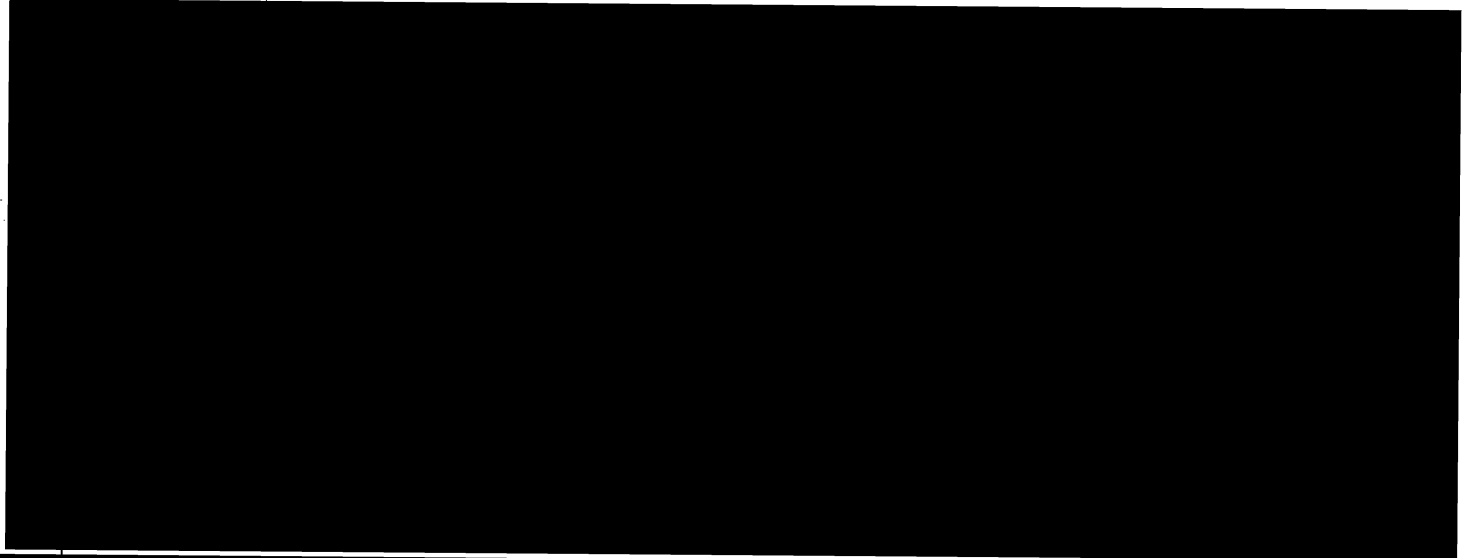
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 206B

Source Name: GATHERED EQUIPMENT LEAKS

Source Capacity/Throughput: **I. RESTRICTIONS.**

Emission Restriction(s).

# 003 

Plan approval terms and conditions.

**EMISSION RESTRICTIONS**

a) Emissions generated from the control device's flaring of waste gas shall not exceed:



4. VOC – 3.74 based on a 12-month rolling total

b) The flare shall achieve a 98% or greater VOC destruction efficiency or a VOC outlet concentration less than or equal to 20 parts per million by volume.



## SECTION D. Source Level Plan Approval Requirements

### IV. RECORDKEEPING REQUIREMENTS.

# 005

Plan approval terms and conditions.

- a) Monthly records of waste gas flared and natural gas combusted shall be kept on file for a minimum of five years and made available to the Department upon request.
- b) The permittee shall record each occurrence of pilot flame extinguishment in a log. This log shall record any and all corrective action taken. An analysis shall be performed after each extinguishment to determine the root cause of the occurrence. The analysis and its' conclusion shall be recorded in the log. The log shall be recorded via electronic file, hard copy, or other method approved by the Department.
- c) The permittee shall maintain and operate a meter or other approved method to monitor and record the volume of waste gas flared and natural gas consumed via electronic file, hard copy, or other method approved by the Department.
- d) All inspection observations and maintenance performed on the control device shall be recorded in a log. The log shall be recorded via electronic file, hard copy, or other method approved by the Department. This record shall, at a minimum, include:
  - 1) Time and date of observation
  - 2) Name, title, and initials of the observer
  - 3) A detailed description of the observation made
  - 4) Any corrective action taken as result of the observation

### VI. WORK PRACTICE REQUIREMENTS.

# 006

Plan approval terms and conditions.

- a) The pilot system for the flare shall use only natural gas as a fuel source.
- b) Only natural gas shall be used as flare (Control Device ID #FL302) Assist Gas.
- c) The source shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices. The facility shall follow the recommended manufacturer's maintenance schedule. A copy of the manufacturer's specifications and manufacturer's recommended preventative maintenance schedule shall be kept on site and made available to the Department upon request.
- d) The flare shall be operated with a flame present at all times. The presence of a flare pilot flame shall be monitored using a thermocouple or any other Department approved device to detect the presence of a flame.
- e) The permittee shall determine the flare's waste gas flow using the total flare flow gas meter and reducing it by the measured volume of natural gas combusted by the flare. The metered volumes shall be used to calculate emissions from

**SECTION D. Source Level Plan Approval Requirements**

waste gas combustion and to demonstrate compliance with the waste gas throughput limit.

f) The maximum volume of waste gas shall not exceed 103.6 MMCF/yr based on a 12 month rolling total as calculated from the flow meter data. ("The volume of NG assist gas/sweep gas is not included when making this determination based on the assumption that the assist gas/sweep gas is not "waste gas".)