



Lawrence J. Hogan, Jr.
Governor

Ben Grumbles
Secretary

Boyd K. Rutherford
Lt. Governor

DEPARTMENT OF THE ENVIRONMENT

Air and Radiation Management Administration
1800 Washington Boulevard, Suite 720
Baltimore, MD 21230

Construction Permit

Operating Permit

PERMIT NO. As listed on Page 2

DATE ISSUED May 26, 2015

PERMIT FEE N/A

EXPIRATION DATE In accordance with
COMAR 26.11.02.04

LEGAL OWNER & ADDRESS
Targa Terminals, LLC
1955 Chesapeake Ave
Baltimore, Maryland 21226

Attention: Ms. Melanie King

SITE
Targa Baltimore Terminal
1955 Chesapeake Ave
Baltimore, MD 21226
Premises # 510-3645
AI # 107253

SOURCE DESCRIPTION

Fuel oil and asphalt storage and loading facility. This permit authorizes the installation of (a) piping and transfer equipment to unload various grades of fuel oils, and various grades of distillates, including heavy distillates such as vacuum gas oil (VGO) from railcars; and (b) piping and transfer equipment to load various grades of fuel oils, and various grades of distillates, including heavy distillates into tank trucks.

This permit supersedes all previous permits to construct issued to ARMA Premises No. 510-3645

The permit includes premises wide limits on emissions of volatile organic compounds (VOC) in order that Targa Terminals, LLC may be recognized as a synthetic minor source to preclude applicability of federal Title V permitting requirements.

This source is subject to the conditions described on the attached pages.

Program Manager

Director, Air and Radiation Management Administration

**TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645**

INDEX

- Part A – General Provisions
- Part B – Applicable Regulations
- Part C – Construction and Operating Conditions
- Part D – Record Keeping, and Reporting

This permit to construct incorporates requirements for the following installations:

ARMA Registration Number	Description	Date of Installation
510-3645-5-2157	One (1) natural gas fired thermal fluid heater rated at 13.7 million Btu per hour. Diesel fuel oil may be used as back-up during natural gas curtailment or periodic testing only.	1997 previous owner 2012 transferred to Targa Terminals, LLC
510-3645-5-2158	One (1) natural gas fired thermal fluid heater rated at 13.7 million Btu per hour. Diesel fuel oil may be used as back-up during natural gas curtailment or periodic testing only.	1997 previous owner 2012 transferred to Targa Terminals, LLC
510-3645-5-2159	One (1) natural gas fired boiler rated at 8.096 million Btu per hour. Diesel fuel oil may be used as back-up during natural gas curtailment or periodic testing only.	1997 previous owner 2012 transferred to Targa Terminals, LLC
510-3645-5-2181	One (1) natural gas fired boiler rated at 9.97 million Btu per hour.	2014 previously permitted under a general permit to construct
510-3645-9-1292	Marine vessel loading of asphalt, various grades of fuel oils, various grades of distillates including heavy distillates, such as vacuum gas oil (VGO).	2013
510-3645-9-1313	Two (2) truck loading/unloading racks for asphalt, various grades of fuel oils, and various grades of distillates, including heavy distillates, such as VGO.	1997 previous owner 2012 transferred to Targa Terminals, LLC
N/A (no registration required for)	Storage tank farm consisting of the following: <ul style="list-style-type: none"> • Three (3) insulated and heated storage tanks (Tank Nos. 601, 602, and 603), each with a 	prior to 1975 previous owner

**TARGA TERMINALS, LLC
 PERMIT-TO-CONSTRUCT CONDITIONS
 PREMISES NO. 510-3645**

ARMA Registration Number	Description	Date of Installation
asphalt, fuel oil, and distillates storage)	<p>capacity of 6,300,000 gallons, authorized to store asphalt, various grades of fuel oils, various grades of distillates, including heavy distillates such as VGO.</p> <ul style="list-style-type: none"> • One (1) insulated and heated storage tank (Tank No. 11) with a capacity of 2,310,000 gallons, authorized to store asphalt, various grades of fuel oils, various grades of distillates, including heavy distillates such as VGO. • Two (2) diesel fuel oil storage tanks (Tank Nos. 151 and 605) with a capacity of 1,000 gallons and 20,000 gallons, respectively. 	<p>2012 transferred to Targa Terminals, LLC</p>

Part A – General Provisions

- (1) The following Air and Radiation Management Administration (ARMA) permit-to-construct applications are incorporated into this permit by reference:
- (a) All valid applications for Processing or Manufacturing Equipment (Form 5) received at the Department prior to issuance of this permit. This includes the Form 5 application received March 31, 2015 pertaining to the addition of railcar unloading and tank truck loading of various grades of fuel oils, and various grades of distillates, including heavy distillates such as VGO.
 - (b) All valid Summaries of Demonstrations for Meeting the Ambient Impact Requirement and T-BACT Requirements (Form 5A) received at the Department prior to issuance of this permit. This includes the Form 5A received March 31, 2015 for toxic air pollutant emissions pertaining to the addition of railcar unloading and tank truck loading of various grades of fuel oils, and various grades of distillates, including heavy distillates such as VGO.

**TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645**

- (c) All valid Emissions Data (Form 5B) received at the Department prior to issuance of this permit. This includes the Form 5B application received March 31, 2015 pertaining to the addition of railcar unloading and tank truck loading of various grades of fuel oils, and various grades of distillates, including heavy distillates such as VGO.
- (d) Supplemental Emissions Information submitted April 23, 2015.

If there are any conflicts between representations in this permit and representations in the applications, the representations in the permit shall govern. Estimates of dimensions, volumes, emissions rates, operating rates, feed rates and hours of operation included in the applications do not constitute enforceable numeric limits beyond the extent necessary for compliance with applicable requirements.

- (2) Upon presentation of credentials, representatives of the Maryland Department of the Environment ("MDE" or the "Department") and the Baltimore City Health Department shall at any reasonable time be granted, without delay and without prior notification, access to the Permittee's property and permitted to:
 - (a) inspect any construction authorized by this permit;
 - (b) sample, as necessary to determine compliance with requirements of this permit, any materials stored or processed on-site, any waste materials, and any discharge into the environment;
 - (c) inspect any monitoring equipment required by this permit;
 - (d) review and copy any records, including all documents required to be maintained by this permit, relevant to a determination of compliance with requirements of this permit; and
 - (e) obtain any photographic documentation or evidence necessary to determine compliance with the requirements of this permit.
- (3) The Permittee shall notify the Department prior to increasing quantities and/or changing the types of any materials referenced in the application or limited by this permit. If the Department determines that such increases or changes constitute a modification, the Permittee shall obtain a permit-to-construct prior to implementing the modification.
- (4) Nothing in this permit authorizes the violation of any rule or regulation or the creation of a nuisance or air pollution.

**TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645**

- (5) If any provision of this permit is declared by proper authority to be invalid, the remaining provisions of the permit shall remain in effect.
- (6) This permit supersedes all previous permits to construct issued to ARMA Premises No. 510-3645.
- (7) For this permit, the term "true vapor pressure" means the vapor pressure of a material at storage temperature, where storage temperature is the maximum monthly average temperature of the material or 77 °F (25 °C), whichever is the higher, as defined in COMAR 26.11.01.01B(48).
- (8) Subsequent to issuance of this permit, the Department may impose additional and modified requirements that are incorporated into a State permit-to-operate issued pursuant to COMAR 26.11.02.13.

Part B – Applicable Regulations

- (1) This source is subject to all applicable federal air pollution control requirements including, but not limited to, the following:
 - (a) All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in federal New Source Performance Standards (NSPS) promulgated under 40 CFR 60, Subparts A and Dc for Small Industrial-Commercial-Institutional Steam Generating Units (includes thermal fluid heaters) for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 million Btu per hour or less but greater than or equal to 10 million Btu per hour.
 - (b) All notifications required under 40 CFR 60, Subparts A and Dc shall be submitted to both of the following:

The Administrator
Compliance Program
Maryland Department of the Environment
Air and Radiation Management Administration
1800 Washington Boulevard, STE 715
Baltimore MD 21230

and

**TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645**

Director, Air Protection Division
U.S. EPA – Region 3
Mail Code 3AP00
1650 Arch Street
Philadelphia, PA 19103-2029

- (2) This source is subject to all applicable federally enforceable State air pollution control requirements including, but not limited to, the following regulations:
- (a) COMAR 26.11.02.04B, which states that a permit to construct or an approval expires if, as determined by the Department:
 - (i) Substantial construction or modification is not commenced within 18 months after the date of issuance of the permit or approval, unless the Department specifies a longer period in the permit or approval;
 - (ii) Construction or modification is substantially discontinued for a period of 18 months after the construction or modification has commenced; or
 - (iii) The source for which the permit or approval was issued is not completed within a reasonable period after the date of issuance of the permit or approval.
 - (b) COMAR 26.11.02.09A, which requires that the Permittee obtain a permit-to-construct if an installation is to be modified in a manner that would cause changes in the quantity, nature, or characteristics of emissions from the installation as referenced in this permit.
 - (c) COMAR 26.11.06.06B(1)(b), which limits emissions of volatile organic compounds (VOC) to not more than 20 pounds per day unless volatile organic compound (VOC) emissions are reduced by 85 percent or more overall. This requirement applies to Tank No. 151 and Tank No. 605 only.
 - (d) COMAR 26.11.06.12 which states that a person may not construct modify, or operate, or cause to be constructed, modified, or operated, a New Source Performance Standard (NSPS) source in a manner which results or will result in violation of the provisions of 40 CFR, Part 60.
 - (e) COMAR 26.11.09.05A(2), which prohibits visible emissions other than water in uncombined form from fuel burning equipment.

TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645

Exceptions. COMAR 26.11.09.05A(3) establishes that "Section A(2) does not apply to emissions during load changing, soot blowing, start-up, or adjustments or occasional cleaning of control equipment if (a) the visible emissions are not greater than 40 percent opacity; and (b) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period."

- (f) COMAR 26.11.09.07A(2), which limits the sulfur content of distillate fuel oils to not more than 0.3 percent by weight and residual fuel oils to not more than 1.0 percent by weight.
 - (g) COMAR 26.11.13.03, which applies to gasoline and VOC storage vessels and requires the Permittee to control emissions of VOC from storage vessels with a capacity of 40,000 gallons or greater storing gasoline or VOC with a true vapor pressure between 1.5 psia and 11 psia, inclusive. Note: The storage vessels covered by this permit with a capacity of 40,000 gallons or greater do not store gasoline or VOC with a true vapor pressure of 1.5 psia or greater.
 - (h) COMAR 26.11.13.04D, which applies to gasoline and VOC general loading operations and requires the Permittee to use vapor control methods and minimize leaks when loading gasoline or VOC with a true vapor pressure of 1.5 psia or greater into any tank truck, railroad tank car, or other contrivance. Note: The truck loading racks covered by this permit do not process gasoline or VOC with a true vapor pressure of 1.5 psia or greater.
 - (i) COMAR 26.11.13.08, which applies to marine vessel loading operations and requires the Permittee to control emissions of VOC from marine vessel loading operations if total VOC emissions from all marine vessel loading operations at the premises are 25 tons or more per calendar year. Note: This permit limits premises wide VOC emissions to less than 25 tons per rolling 12-month period which also limits total VOC emissions from all marine vessel loading operations to less than 25 tons per calendar year.
- (3) This source is subject to all applicable State-only enforceable air pollution control requirements including, but not limited to, the following regulations:
- (a) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.

**TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645**

- (b) COMAR 26.11.15.05, which requires that the Permittee implement “Best Available Control Technology for Toxics” (T – BACT) to control emissions of toxic air pollutants.
- (c) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions would unreasonably endanger human health.

Part C – Construction and Operating Conditions

- (1) Except as otherwise provided in this part, the Permittee shall construct the following in accordance with specifications included in the incorporated applications:
 - (a) piping and transfer equipment to unload various grades of fuel oils, and various grades of distillates, including heavy distillates such as VGO from railcars; and
 - (b) piping and transfer equipment to load various grades of fuel oils, and various grades of distillates, including heavy distillates into tank trucks.
- (2) Except as otherwise provided in this part, the equipment and processes covered by this permit shall be constructed and operated in accordance with specifications included in the application, standard industry practice, and any operating procedures recommended by equipment vendors unless the Permittee obtains from the Department written authorization for alternative operating procedures.
- (3) Premises wide VOC emissions shall be less than 25 tons in any rolling 12-month period.
- (4) The Permittee shall comply with the following loading throughput limits in any rolling 12-month period unless the Permittee can demonstrate, to the satisfaction of the Department that premises wide emissions of VOC are less than 25 tons at higher loading throughput rates:
 - (a) Total fuel oils, distillates, and heavy distillates, including VGO, loaded into marine vessels: 84,000,000 gallons
 - (b) Total asphalt loaded into marine vessels: 175,000,000 gallons

**TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645**

- (c) Total fuel oils, distillates, and heavy distillates, including VGO, loaded into tank trucks: 1,386,000 gallons
 - (d) Total asphalt loaded into tank trucks: 6,300,000 gallons
- (5) The Permittee shall comply with the following operating limitations unless the Permittee obtains an approval from the Department to operate at other conditions:
- (a) The Permittee is authorized to receive, store, and/or transfer the following materials at the premises: asphalt, fuel oils, distillates, or heavy distillates, including VGO. The Permittee is prohibited from receiving, storing, and/or transferring crude oil or any other materials not authorized by this permit.
 - (b) The true vapor pressure of each material received, stored, and/or transferred at the premises shall be less than 0.063 psia.
 - (c) The Permittee shall not load asphalt, fuel oils, distillates, or heavy distillates, including VGO, into any marine vessel or tank truck unless the marine vessel or tank truck contained the same material (or an equally or less volatile substance) in its previous load, was cleaned of its previous contents prior to arrival at the premises, or is new and has never been loaded.
- (6) For the boiler rated at 8.096 million Btu per hour and the two (2) thermal fluid heaters:
- (a) The Permittee shall burn natural gas or diesel fuel oil with a maximum sulfur content of 0.3 percent by weight only during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel unless the Permittee obtains an approval from the Department to burn alternate fuels.
 - (b) Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.
 - (c) Period of gas curtailment or supply interruption means a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition.

**TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645**

An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility. **[Reference: 40 CFR §63.11237]**

- (d) Compliance with the requirements of Part C(6)(a) through (c) of this permit also provides compliance with the emissions standard for sulfur dioxide established under 40 CFR 60, Subpart Dc, §60.42c for the two (2) thermal fluid heaters and precludes applicability of 40 CFR 63, Subpart JJJJJJ for the boiler.
- (7) For the boiler rated at 9.97 million Btu per hour, the Permittee shall burn only natural gas as fuel unless the Permittee obtains an approval from the Department to burn alternate fuels.

Part D – Record Keeping and Reporting

- (1) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information:
- (a) Premises wide VOC emissions in tons per month and total tons per rolling 12-month period.
 - (b) Marine vessel loading throughput in gallons per month and total gallons per rolling 12-month period for each type of product loaded.
 - (c) Logs of marine vessel loading operations including the following information:
 - (i) Start and end times for each load-out;
 - (ii) Identification information or tracking number for each marine vessel loaded;
 - (iii) Amount and type of product loaded into each marine vessel; and

**TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645**

- (iv) Evidence showing that each marine vessel loaded contained the same material (or an equally or less volatile substance) in its previous load, was cleaned of its previous contents prior to arrival at the premises, or is new and never been loaded with material.
 - (d) Truck loading throughputs in gallons per month and total gallons per rolling 12-month period for each type of product loaded.
 - (e) Logs of truck loading operations including the following information:
 - (i) Start and end times for each load-out;
 - (ii) Identification information or tracking number for each tank truck loaded;
 - (iii) Amount and type of product loaded into each tank truck; and
 - (iv) Evidence showing that each tank truck loaded contained the same material (or an equally or less volatile substance) in its previous load, was cleaned of its previous contents prior to arrival at the premises, or is new and never been loaded with material.
 - (f) Records of Material Safety Data Sheets (MSDS) or other equivalent material information showing vapor pressure information for all fuel oils, distillates, and heavy distillates (including VGO) received, stored, and loaded at the premises. The Permittee shall ensure the vapor pressure information provided, once converted to true vapor pressure as defined in COMAR 26.11.01.01B(48), are within the limits of this permit.
 - (g) For the boiler rated at 8.096 million Btu per hour, monthly records of the types and amounts of fuel used in the boiler and documentation showing that diesel fuel was only used during periods of natural gas curtailment or for testing.
 - (h) For the boiler rated at 9.97 million Btu per hour, monthly records of the amount of natural gas used in the boiler.
- (2) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following additional information for the two (2) thermal fluid heaters:

**TARGA TERMINALS, LLC
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES NO. 510-3645**

- (a) Monthly records of the amounts and types of fuels combusted during each calendar month. **[Reference: 40 CFR §60.48c(g)(2)]**
- (b) Fuel supplier certification including the following information:
 - (i) The name of the oil supplier.
 - (ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR §60.41c.
 - (iii) The sulfur content of the oil.
[Reference: 40 CFR §60.48c(f)(1)(i), (ii) and (iii)]
- (3) In accordance with 40 CFR 60 Subpart Dc, the Permittee shall submit reports to the Department including the following information for the two (2) thermal fluid heaters:
 - (a) Calendar dates covered in the reporting period. **[Reference: 40 CFR §60.48c(e)(1)]**
 - (b) Records of fuel supplier certification including the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c, and the sulfur content of the oil. The report shall include a certified statement signed by the Permittee that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period. **[Reference: 40 CFR §60.48c(e)(11) and §60.48c(f)(1)(i), (ii), and (iii)]**
 - (c) The reporting period for the reporting required by 40 CFR §60.48c is each six (6) month period. All reports shall be submitted to the Department and shall be postmarked by the 30th day following the end of the reporting period. **[Reference: 40 CFR §60.48c(j)]**
- (4) By April 1 of each calendar year, the Permittee shall submit a report of emissions for the previous calendar year. The report shall include premises wide emissions of all regulated air pollutants, including VOC, and documentation supporting the emissions calculations.



510-3645

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230

410-537-3000 • 1-800-633-6101 • www.mde.maryland.gov

Larry Hogan
Governor

Ben Grumbles
Secretary

Boyd Rutherford
Lieutenant Governor

MAY 26 2015

Ms. Melanie Roberts, Environmental Manager – Air
Targa Resources
1000 Louisiana St., Suite 4300
Houston, TX 77002

Dear Ms. Roberts:

Enclosed please find your premises wide, Permit to Construct that authorizes the installation of piping and transfer equipment to unload various grades of fuel oils, and various grades of distillates, including heavy distillates such as VGO from railcars; and piping and transfer equipment to load various grades of fuel oils, and various grades of distillates, including heavy distillates into tank trucks at your Baltimore facility located at 1955 Chesapeake Avenue in Baltimore, Maryland. The permit supersedes all previous permits to construct issued to ARMA Premises No. 510-3645.

The permit contains both general conditions, which apply to all air quality permit holders in Maryland, and specific conditions, which apply to the equipment and processes covered by the permit. The permit also includes premises wide limits on emissions of volatile organic compounds (VOC) in order that Targa Terminals, LLC may be recognized as a synthetic minor source of VOC emissions. The facility's status as a synthetic minor precludes applicability of Title V permitting requirements. Targa Terminals, LLC will be recognized as a synthetic minor source as long as Targa Terminals, LLC complies with the permit conditions or until such time status as a synthetic minor source is not required.

If you have any questions regarding the issuance of this permit, please contact Ms. Suna Yi Sariscak at 410-537-4129.

Sincerely,

Karen G. Irons, P.E., Administrator
Air Quality Permits Program
Air & Radiation Management
Administration

KGI/dar
Enclosure



