

ATTACHMENT - Facility Information

Buckeye Terminals, LLC - Charleston North Terminal GCM-0560-0022 Page 1 of 3

GENERAL INFORMATION

A - APPLICABLE PERMIT DATES

COVERAGE DATE: October 1, 2012

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 5150 Virginia Avenue
CITY, STATE, ZIP FACILITY IS LOCATED IN: Charleston, SC 29405
COUNTY FACILITY IS LOCATED IN: Charleston

C - EQUIPMENT INSTALLED

Equip ID	Exempt Yes / No	Equipment Description	Maximum Size / Maximum Throughput	Fuels Used/ Materials Handled	Installation Date/ Modification Date	Emission Point ID
TLR	No	Truck Loading Rack (8 loading bays) (40 CFR 60 Subparts A and XX when in gasoline service) (40 CFR 63 Subparts A and BBBB when in gasoline service)	---	Gasoline/Distillate	1981 / 1999	TLR
MLR	No	Marine Loading Rack (SC Reg. 61-62.5, Standard 5 Part T when in gasoline service) (40 CFR 63 Subparts A and BBBB when in gasoline service)	---	Gasoline/ Distillate/Residual Fuel Oil	1979	MLR
9306	No	Internal Floating Roof Storage Tank (SC Reg. 61-62.5, Standard 5 Part O)	45,238.1 barrel (1.9 x 10 ⁶ gallon)	Ethanol	1969	9306
9308	No	External Floating Roof Storage Tank (SC Reg. 61-62.5, Standard 5 Part P) (40 CFR 63 Subparts A and BBBB when in gasoline service)	76,642.9 barrel (3.219 x 10 ⁶ gallon)	Gasoline/Distillate	1953	9308
9309	No	External Floating Roof Storage Tank (SC Reg. 61-62.5, Standard 5 Part P) (40 CFR 63 Subparts A and BBBB when in gasoline service)	52,381 barrel (2.2 x 10 ⁶ gallon)	Gasoline/Distillate	1953	9309
9310	No	External Floating Roof Storage Tank (SC Reg. 61-62.5, Standard 5 Part P) (40 CFR 60 Subparts A and Kb) (40 CFR 63 Subparts A and BBBB when in gasoline service)	95,238.1 barrel (4.0 x 10 ⁶ gallon)	Gasoline/Distillate	1988	9310
9311	No	External Floating Roof Storage Tank (SC Reg. 61-62.5, Standard 5 Part P) (40 CFR 63 Subparts A and BBBB when in gasoline service)	52,381 barrel (2.2 x 10 ⁶ gallon)	Gasoline/Distillate	1953	9311
9314	No	Internal Floating Roof Storage Tank (SC Reg. 61-62.5, Standard 5 Part O when in gasoline service) (40 CFR 63 Subparts A and BBBB when in gasoline service)	71,428.6 barrel (3.0 x 10 ⁶ gallon)	Gasoline/Distillate	1953	9314

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C - EQUIPMENT INSTALLED

Equip ID	Exempt Yes / No	Equipment Description	Maximum Size / Maximum Throughput	Fuels Used/ Materials Handled	Installation Date/ Modification Date	Emission Point ID
B1	No	Cleaver Brooks Boiler	12.5 x 10 ⁶ BTU/hr	Natural Gas with ultra low sulfur diesel as back-up fuel	1965/2013	B1
9302	Yes	Fixed Cone Roof Storage Tank	20,083.3 barrel (843,500 gallon)	Distillate	1969	9302
9303	Yes	Fixed Cone Roof Storage Tank	20,083.3 barrel (843,500 gallon)	Distillate	1969	9303
9304	Yes	Fixed Cone Roof Storage Tank	45,238.1 barrel (1.9 x 10 ⁶ gallon)	Distillate	1969	9304
9305	Yes	Fixed Cone Roof Storage Tank	45,238.1 barrel (1.9 x 10 ⁶ gallon)	Distillate	1969	9305
9307	Yes	Fixed Cone Roof Storage Tank	45,238.1 barrel (1.9 x 10 ⁶ gallon)	Distillate	1969	9307
9312	Yes	Fixed Cone Roof Storage Tank	52,381 barrel (2.2 x 10 ⁶ gallon)	Distillate	1953	9312
9315	Yes	Fixed Cone Roof Storage Tank	147,095.2 barrel (6.178 x 10 ⁶ gallon)	Distillate	1966	9315
9316	Yes	Horizontal Fixed Roof Storage Tank	106 barrel (4,452 gallon)	Distillate	1969	---
9317	Yes	Vertical Fixed Storage Tank	440 barrel (18,480 gallon)	Additive	1991	---
9318	Yes	Horizontal Fixed Roof Storage Tank	130 barrel (5,460 gallon)	Additive	Pre-1997	---
9319	Yes	Vertical Fixed Roof Storage Tank	188 barrel (7,896 gallon)	Additive	Pre-1997	---
9320	Yes	Horizontal Fixed Roof Storage Tank	64 barrel (2,688 gallon)	Additive	Pre-1997	---
9321	Yes	Horizontal Fixed Roof Storage Tank	238 barrel (9,996 gallon)	Additive	1999	---
9322	Yes	Horizontal Fixed Roof Storage Tank	238 barrel (9,996 gallon)	Additive	1999	---
9391	Yes	Horizontal Fixed Roof Storage Tank	46 barrel (1,932 gallon)	Additive	Pre-1997	---
9396	Yes	Horizontal Fixed Roof Storage Tank	97 barrel (4,074 gallon)	# 6 Fuel Oil	Pre-1997	---
9323	Yes	Horizontal Fixed Roof Storage Tank	6.5 barrel (275 gallon)	Yellow Dye Additive	1998	---
9392	Yes	Horizontal Fixed Roof Storage Tank	12 barrel	Red Dye Additive	2011	---

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			(504 gallon)			

D - CONTROL DEVICES

Control Device ID	Equipment ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
CD-VRU1	TLR	McGill 404 Vapor Recovery Unit (40 CFR 60 Subpart A and XX when in gasoline service) (40 CFR 63 Subpart A and BBBBBB when in gasoline service)	1981	VOC/HAPs
CD-VRU2	TLR	McGill 704 Vapor Recovery Unit (40 CFR 60 Subpart A and XX when in gasoline service) (40 CFR 63 Subpart A and BBBBBB when in gasoline service)	1999	VOC/HAPs

RECORD OF REVISIONS	
Revision Date	Description of Change
06-21-2013	Added clarification when in gasoline service to SC Regulation, 61-62.5, Standard 5 Part T and 40 CFR 60 Subparts A and XX for Equipment ID TLR. Added clarification when in gasoline service to SC Reg. 61-62.5, Standard 5 Part T for Equipment ID MLR. Modified SC Regulation 61-62.5 Standard 5, Part O requirements for Equipment IDs 9306 and 9314 to include when in gasoline service. Removed SC Reg. 61-62.5, Standard 5 Part O from Equipment IDs 9302, 9303, 9304, 9305, 9307, 9312, 9315.
08-20-2013	Incorporate Construction Permit 0560-0022-CG.
01-09-2014	Transfer of Ownership / Operation from Hess Corporation to Buckeye Terminals, LLC.
07-31-2014	The facility has notified air toxic section member that tank 9306 will only store ethanol. Replaced Gasoline/Distillate with Ethanol and removed reference to 40 CFR 63, Subparts A and BBBBBB from this source. The TLR (loading rack) was installed after Standard 5, Part T applicability date therefore, it is not subject to Standard 5. Removed reference to Standard 5, Part T for this source. Added 40 CFR 60 Subpart A and XX in gasoline service and 40 CFR 63 Subpart A and BBBBBB when in gasoline service to the control devices.
01-28-2015	Modified Emission Rates for Ambient Air Standards Attachment to reflect other permit templates.

ATTACHMENT - Emission Rates for Ambient Air Standards

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The emission rates listed herein are not considered federally enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards.

AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2							
Emission Point ID	Emission Rates (lbs/hr)						
	PM₁₀	PM_{2.5}	SO₂	NO_x	CO	Lead	Gaseous Fluorides (as HF)
12.5 MMBTU/Hr Boiler	0.18	---	27.41	1.84	0.46	---	---
Truck Loading Rack-Gasoline	---	---	---	4.51	11.27	---	---

TOXIC AIR POLLUTANTS - STANDARD NO. 8						
Emission Point ID	Emission Rates (lbs/hr)					
	Hexane 110-54-3	Benzene 71-43-2	Toluene 108-88-3	2,2,4- Trimethyl pentane 540-84-1	Xylene 1330-20-7	Ethyl Benzene 100-41-4
Marine Loading – Gasoline	1.87	1.05	1.52	0.94	0.59	0.12
Truck Loading – Gasoline	0.36	0.203	0.293	0.180	0.113	0.023
Tank 9302	0.004	0.002	0.003	0.002	0.001	--
Tank 9303	0.003	0.002	0.003	0.002	0.001	--
Tank 9304	0.008	0.005	0.007	0.004	0.003	0.001
Tank 9305	0.005	0.003	0.004	0.003	0.002	--
Tank 9306	0.026	0.014	0.021	0.013	0.008	0.002
Tank 9307	0.005	0.003	0.004	0.003	0.002	--
Tank 9308	0.010	0.005	0.008	0.005	0.003	0.001
Tank 9309	0.009	0.005	0.007	0.005	0.003	0.001
Tank 9310	0.011	0.006	0.009	0.006	0.004	0.001
Tank 9311	0.015	0.008	0.012	0.007	0.005	0.001
Tank 9312	0.006	0.003	0.005	0.003	0.002	--
Tank 9314	0.032	0.018	0.026	0.016	0.010	0.002
Tank 9315	0.017	0.010	0.014	0.009	0.005	0.001
Tank 9317	---	--	--	--	--	--
Tank 9324	0.030	0.017	0.024	0.015	0.009	0.002
Tank 9325	0.009	0.005	0.007	0.004	0.003	0.001
Tank 9326	0.009	0.005	0.007	0.004	0.003	0.001
12.5 x 10 ⁶ BTU/hr Boiler	--	1.97E-05	5.7E-04	--	--	5.85E-06
Fugitives-Equipment Leaks	0.011	0.006	0.009	0.006	0.003	0.001
Tank 9316 (Unregulated Tank)	2.77E-05	1.56E-05	2.25E-05	1.39E-05	8.66E-06	1.73E-06
Tank 9318 (Unregulated Tank)	5.39E-05	3.03E-05	4.38E-05	2.69E-05	1.68E-05	3.37E-06
Tank 9319 (Unregulated Tank)	3.83E-04	2.15E-04	3.11E-04	1.91E-04	1.20E-04	2.39E-05
Tank 9320	9.94E-06	5.59E-06	8.07E-06	4.97E-06	3.11E-06	6.21E-07

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(Unregulated Tank)						
Tank 9321 (Unregulated Tank)	6.81E-05	3.83E-05	5.53E-05	3.40E-05	2.13E-05	4.25E-06
Tank 9322 (Unregulated Tank)	5.86E-05	3.30E-05	4.76E-05	2.93E-05	1.83E-05	3.66E-06
Tank 9391 (Unregulated Tank)	1.75E-05	9.83E-06	1.43E-05	8.74E-06	5.46E-06	1.09E-06
Tank 9396 (Unregulated Tank)	1.64E-07	9.25E-08	1.34E-07	8.22E-08	5.14E-08	1.03E-08
Tank 9323 (Unregulated Tank)	4.53E-06	2.55E-06	3.68E-06	2.26E-06	1.42E-06	2.83E-07