

ATTACHMENT – Facility Information

Buckeye Partners LLC – North Augusta Terminal

GCM-0980-0014

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GENERAL INFORMATION

A - APPLICABLE PERMIT DATES

COVERAGE DATE: October 1, 2012

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 221 Sweetwater Road
 CITY, STATE, ZIP FACILITY IS LOCATED IN: North Augusta, SC 29841
 COUNTY FACILITY IS LOCATED IN: Edgefield

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
LR	No	Petroleum product loading rack (SC Reg. 61-62.5, Standard 5 Part T when in gasoline service) (40 CFR 60 Subparts A and XX when in gasoline service) (40 CFR 63 Subparts A and BBBB) when in gasoline service)	---	Gasoline/ Denatured Ethanol/ Distillate	Pre-1979/ 12/1997	ESI
T102	No	Domed external floating roof storage tank (SC Reg. 61-62.5, Standard 5 Part O) (40 CFR 63 Subparts A and BBBB)	32,890 barrel (1,591,380 gallon)	ULR Gasoline	1/1964	T2
T103	No	Domed external floating roof storage tank (SC Reg. 61-62.5, Standard 5 Part O) (40 CFR 63 Subparts A and BBBB)	32,890 barrel (1,591,380 gallon)	ULR Gasoline	1/1964	T3
T105	No	Internal floating roof storage tank (SC Reg. 61-62.5, Standard 5 Part O when in gasoline service) (40 CFR 60 Subparts A and Kb when in gasoline service) (40 CFR 63 Subparts A and BBBB) when in gasoline service)	56,170 barrel (2,359,140 gallon)	ULR Gasoline/ Denatured Ethanol/ Distillate	1/1964/ 1/2009	T5
T106	No	Internal floating roof storage tank (SC Reg. 61-62.5, Standard 5 Part O when in gasoline service) (40 CFR 60 Subparts A and K when in gasoline service) (40 CFR 63 Subparts A and BBBB) when in gasoline service)	79,420 barrel (3,335,640 gallon)	ULR Gasoline/ Denatured Ethanol/ Distillate	1/1978	T6
T104	No	Internal floating roof storage tank (40 CFR 60 Subparts A and Kb when in gasoline service) (40 CFR 63 Subparts A and BBBB) when in gasoline service)	20,220 barrel (849,240 gallon)	Gasoline/ Denatured Ethanol/ Distillate	1/1964	T4
T101	Yes	Domed external floating roof storage tank	32,890 barrel (1,591,380 gallon)	Denatured Ethanol	1/1964	T1
TA-1	Yes	Aboveground fixed roof storage tank	190 barrel (7,980 gallon)	Invigorate Additive	Pre-1999	---
T1004	Yes	Horizontal fixed roof underground storage tank	238 barrel (9,996 gallon)	PCW	Pre-1999	---
TA-2	Yes	Horizontal fixed roof aboveground storage tank	190 barrel (8,000 gallon)	Lubricity Additive	Pre-1999	---
SVE	Yes	Soil vapor extraction system (vacuum recovery of vapor-phase VOCs from 10 recovery wells, a 15 HP	---	---	2003	---

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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
		explosion proof Lamson Turbotron Exhauster to generate 4 inches mercury vacuum @ each recovery well)				
T1007	Yes	Underground emergency spill tank	12,000 gallon	---	2004	---
IF	Yes	Aboveground interface tank near truck rack	19 barrel (798 gallon)	Transmix	2004	---
T1008	Yes	Underground storage tank (knock-out tank) This tank is associated with the vapor recovery tank. (40 CFR 63 Subparts A and BBBBBB)	1,000 gallon	Gasoline	2008	---
T1009	Yes	Interface aboveground storage tank (sample tank)	100 gallon	---	2008	---
TA3	Yes	Aboveground totes	5 barrel (210 gallon)	Red Dye Additive	2006	---
TA4	Yes	Aboveground totes	5 barrel (210 gallon)	Keropur AP-205-20	2006	---
TA5	Yes	Aboveground tank	95.2 barrel (4,000 gallon)	Additive	2008	---
A3	Yes	Underground containment tank	95 barrel (3,990 gallon)	Denatured Ethanol/PCW	2008	---
A4	Yes	Aboveground containment tank	242 barrel (11,616 gallon)	Denatured Ethanol/PCW	2008	---
RF	---	VOID - Rudd furnace	---	---	---	---
B3	---	VOID – Boiler	---	---	---	---
T1001	---	VOID - Horizontal fixed roof underground storage tank	---	---	---	---

D - CONTROL DEVICES

Control Device ID	Equipment ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
CD-VRU	LR	John Zink Carbon Absorption/Gasoline Adsorption Vapor Recovery Unit (Model AA-355-8-7) (40 CFR 60 Subparts A and XX when in gasoline service) (40 CFR 63 Subparts A and BBBBBB when in gasoline service)	12/97	VOC/HAPs
CD-VCU	LR	Portable Vapor Combustion Unit (40 CFR 60 Subparts A and XX when in gasoline service) (40 CFR 63 Subparts A and BBBBBB when in gasoline service)	N/A (Portable)	VOC/HAPs

E – ADDITIONAL CONDITIONS

The owner or operator must comply with the conditions of the General Conditional Major Operating Permit for Petroleum Distribution Operations and any additional conditions listed in this section.

Condition Number	Conditions

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E – ADDITIONAL CONDITIONS

The owner or operator must comply with the conditions of the General Conditional Major Operating Permit for Petroleum Distribution Operations and any additional conditions listed in this section.

Condition Number	Conditions
1.0	<p>The temporary control device should be operated in compliance with any applicable regulations and at a control/destruction efficiency at or above the permanent unit.</p> <p>Per 40 CFR 63, Subpart BBBBBB, compliance options must be followed for the type of VCU the facility is choosing for compliance during the operation of portable unit. The VCU must be equipped to automatically prevent gasoline loading operation from the beginning at any time that a pilot flame is absent. It is stated in the facility’s NOCS that an emission limit of 80 mg/l emission limit is imposed by GDGACT for the portable backup unit. The thermal oxidizer system shall be monitored using the specifications used in 63.11092(b)(2)(iii)(B)(i)-(iv). This includes an ultraviolet beam sensor or thermocouple installed in proximity of the pilot light to indicate the presence of a flame. Information for the model, time range, and other specifications must be reflected in the semi-annual report for the reporting period.</p>

RECORD OF REVISIONS FOR GCM-0980-0014	
Final Revision Date	Description of Change
06-21-2013	Added when in gasoline clarification to SC Reg. 61-62.5, Standard 5 Part T, 40 CFR 60 Subparts A and XX, and 40 CFR 63 Subpart A and BBBBBB for Equipment ID LR. Added 40 CFR 60 Subparts A and XX when in gasoline service to CD-VRU. Removed SC Regulation 61-62.5 Standard 5 Part O from Equipment ID T104. Added 40 CFR 60 Subparts A and Kb to tank T105. Added 40 CFR 60 Subparts A and K to tank T106. Added 40 CFR 63 Subparts A and BBBBBB to tank T1008.
12-30-2014	Tanks 101, 102, and 103 are domed external floating roof tanks (considered as internal floating roof tank). They are subject to SC Regulation 61-62.5 Standard 5 Part O not Part P. Added 40 CFR 63 Subparts A and BBBBBB to CD-VRU. Removed throughput limit from Equipment LR.
01-28-2015	Modified Emission Rates for Ambient Air Standards Attachment to reflect other permit templates.
09-17-2015	Added CD-VCU and associated condition 1.0. Following equipment are no longer there therefore have been removed: A-2 and A5. Following equipment are onsite but out of service and have been voided: T1001, RF, and B3. Following changes are made to existing equipment: Tank T1007 is underground, not aboveground. Capacity is 12,000 gallons instead of 1,176 gallons. TA5 is a tank not a tote. A4 is aboveground, not underground. RF was previously listed as having two furnaces but the facility indicated there is only one onsite.
05-03-2016	Incorporated permit 0900-0014-CE: Internal floating roof installed on Tank 104, it is no longer an exempt source, and it can store denatured ethanol, gasoline, or distillate. Tank T105 – added distillate as a storage content. Tank 106 – added denatured ethanol and distillate as storage content, added “when in gasoline service” to description. Tank T102 – removed “when in gasoline service” from description. Attachment for Ambient Air Standards has been updated.

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.

TOXIC AIR POLLUTANTS - STANDARD NO. 8		
POLLUTANT	CAS NUMBER	Facility Wide Emission Rates (lbs/day)
Benzene	71-43-2	0.284
Cresols	1319-77-3	0.004
Cumene	98-82-8	0.105
Ethyl Benzene	100-41-4	4.610
Methyl-t-butyl Ether	1634-04-4	0.007
Naphthalene	91-20-3	0.092
Phenol	108-95-2	0.007
Styrene	100-42-5	0.002
Toluene	108-88-3	0.892
2,2,4-Trimethylpentane	540-84-1	0.465
Xylene	1330-20-7	0.799