Emission Sources - Maximum Allowable Emission Rates

Permit Number 2399

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
LHS307	Unit 3 Coal Storage Area (5) (7)	PM	6.00	26.29
		PM_{10}	1.14	5.00
		$PM_{2.5}$	1.14	5.00
L3DSP	Unit 3 Dead Storage Pile (5) (7)	PM	2.51	11.01
		PM_{10}	0.48	2.09
		$PM_{2.5}$	0.48	2.09
L3SSS	Unit 3 Surge Silo Stackout/ Storage Pile (5) (7)	PM	0.25	1.10
		PM_{10}	0.25	1.10
		$PM_{2.5}$	0.25	1.10
L3SRW	Unit 3 Stacker/ Reclaimer Open Conveyor (5)	PM	0.05	0.21
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.05	0.21
FAS1A-(1, 2, 3, 4), FAS1B-(1, 2, 3, 4)	Fly Ash Silo A Baghouse Exhaust Vents	PM	0.94	4.13
		PM_{10}	0.33	1.45
		$PM_{2.5}$	0.33	1.45
FAS1-1FUG	Silo A Fly Ash Unloader (5)	PM	0.03	0.05
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.02	0.03
FAS1-2FUG	Silo A Fly Ash Unloader (5)	PM	0.03	0.05
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.02	0.03
FAS2A-(1, 2, 3, 4), FAS2B-(1, 2, 3, 4)	Fly Ash Silo B Baghouse Exhaust Vents	PM	0.94	4.13
		PM_{10}	0.33	1.45
		$PM_{2.5}$	0.33	1.45

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FAS2-1FUG	Silo B Fly Ash Unloader (5)	PM	0.03	0.05
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.02	0.03
FAS2-3FUG	Silo B Fly Ash Unloader (5)	PM	0.03	0.05
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.02	0.03
FAS10-1 and 2	Vacuum Pump Exhaust Vent	PM	0.37	1.61
		PM_{10}	0.18	0.81
		$PM_{2.5}$	0.18	0.81
FAS10-3 and 4	Vacuum Pump Exhaust Vent	PM	0.37	1.61
		PM_{10}	0.18	0.81
		$PM_{2.5}$	0.18	0.81
FAS10-5	Vacuum Pump Exhaust Vent	PM	0.18	0.81
		PM_{10}	0.09	0.40
		$PM_{2.5}$	0.09	0.40
FAS20-1 and 2	Vacuum Pump Exhaust Vent	PM	0.37	1.61
		PM_{10}	0.18	0.81
		$PM_{2.5}$	0.18	0.81
FAS20-3 and 4	Vacuum Pump Exhaust Vent	PM	0.37	1.61
		PM_{10}	0.18	0.81
		$PM_{2.5}$	0.18	0.81
FAS20-5	Vacuum Pump Exhaust Vent	PM	0.18	0.81
		PM_{10}	0.09	0.40
		$PM_{2.5}$	0.09	0.40
FAS30-1	Vacuum Pump Exhaust Vent	PM	0.18	0.81
		PM_{10}	0.09	0.40
		$PM_{2.5}$	0.09	0.40
FAS30-2	Vacuum Pump Exhaust Vent	PM	0.18	0.81
		PM_{10}	0.09	0.40

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.09	0.40
FAS30-3	Vacuum Pump Exhaust Vent	PM	0.18	0.81
		PM_{10}	0.09	0.40
		$PM_{2.5}$	0.09	0.40
FAS30-4	Vacuum Pump Exhaust Vent	PM	0.18	0.81
		PM_{10}	0.09	0.40
		$PM_{2.5}$	0.09	0.40
FAS30-5	Vacuum Pump Exhaust Vent	PM	0.18	0.81
		PM_{10}	0.09	0.40
		$PM_{2.5}$	0.09	0.40
CHS3-1F	Rail Receiving Hopper (5)	PM	0.13	0.08
		PM_{10}	0.13	0.08
		$PM_{2.5}$	0.13	0.08
CHS3-C302	C302 transfer to Unit 3 Surge Silo Stackout Pile (5)	PM	0.02	0.01
		PM_{10}	0.02	0.01
		$PM_{2.5}$	0.02	0.01
CHS3-R1, CHS3-7F	C301 transfer to Unit 3 Surge Silo Stackout Pile (5) or Live Storage Silo Rotoclone Vent	PM	0.04	0.03
		PM_{10}	0.04	0.03
		$PM_{2.5}$	0.04	0.03
CHS3-2F	Live Storage Silo transfer to C304 (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
CHS3-8F	Unit 3 Surge Silo Stackout transfer to C303 and C304 (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
CHS3-BH1	Crushers Tower Baghouse Vent	PM	0.54	0.90
		PM_{10}	0.54	0.90
		$PM_{2.5}$	0.54	0.90
CHS3-3F	C306 transfer to C308 and C307 transfer to	PM	0.01	0.02

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		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
CHS3-R2	C308 and C309 transfers to Transfer Tower 32 Surge Bin Vent	PM	0.02	0.03
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.02	0.03
CHS3-4F	Transfer Tower 32 Surge Bin transfers to C310 and C312 (5)	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
CHS3-5F	C310 transfer to C311 (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
CHS3-R3	C311 transfer to Pulverizer Silos Rotoclone Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
CHS3-6F	C312 transfer to C313 (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
CHS3-R4	C313 transfer to Pulverizer Silos Rotoclone Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
CHS3-SR	Unit 3 Stacker/Reclaimer (5)	PM	0.08	0.03
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
CHS123-TC	C303 Transfer to Units 1 and 2 Live Storage Surge Pile (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
CHS123-3F	Units 1 and 2 Live Storage Pile transfer to C302 (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01

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CHS3-305HF	Conveyor 305 Hopper (5)	PM	0.79	0.10
		PM_{10}	0.15	0.02
		$PM_{2.5}$	0.02	<0.01

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
(7) Emissions quantified include emissions from all typical operations of an open coal storage pile (e.g., loading, unloading, shaping, compacting, and upkeep).

Date: September 12, 2017