

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : Post Foods	SRN : B1548
Location : 275 Cliff Street	District : Kalamazoo
	County : CALHOUN
City : BATTLE CREEK State: MI Zip Code : 49014	Compliance Status : Compliance
Source Class : MAJOR	Staff : Monica Brothers
FCE Begin Date : 7/14/2019	FCE Completion Date : 7/14/2020
Comments :	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
07/14/2020	Scheduled Inspection	Compliance	Announced scheduled inspection
06/17/2020	Stack Test Observation	Compliance	Re-testing for VOC combined destruction efficiency and capture efficiency on catalytic oxidizer and associated wet rotoclone.
04/08/2020	MAERS	Compliance	MAERS report was passed on 4/8/2020.

03/18/2020	ROP Annual Cert	Compliance	<p>The company reported 9 deviations for the year. The first was for the flexible group FG2983OxdOn oxidizer. They reported 11 malfunctions for the reporting period, which resulted in 24 hours of downtime. The second deviation was for FG--Milling. Purgers in the baghouse failed causing flour to get purged onto the roof. The purgers were all replaced and then confirmed to be functioning. The third deviation was for FG-17-20-32Cereal. The gaskets on the cartridge filters were flattened out allowing ingredient to get through. New cartridge filters were installed and the equipment and the area were cleaned. The fourth deviation was for FGBLD-29Cereal. The Aerodyne's sensor probe was not functioning properly, which caused the Aerodyne to plug up. The area was unplugged of material and the sensor probe was replaced. The fifth deviation was for FG-17-20-32Cereal. The wet scrubber was plugged. It was flushed, the filters were checked to ensure that they were installed correctly, and an electrician checked the water level probe. Filters were installed wrong, so this was corrected. The wet scrubber was then purging correctly. The sixth deviation was for FG-17-20-32Cereal. Food built up in the wet scrubber. Flushed the scrubber several times. This removed particles from spraying into the air. Stack was revisited and water mist was still spraying. Pipe fitter adjusted water flow for the scrubber to eliminate water mist. Once the flow was adjusted the mist stopped. The seventh deviation was for FGBLD-4Rice/Bran. M11776 airlock to the jetzone cooler was in a manual start position rather than auto, causing CP flakes to be released through the stack than recirculating. M11776 airlock was returned to an auto position allowing the system to work correctly and recirculate rather than release product. Deviation eight was for FG-17-20-32Cereal. The wet scrubber water level was too high, which caused water to spray from the stack carrying food</p>
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03/18/2020	ROP Annual Cert	Compliance	particles. Pipe fitters lowered the water level in the scrubber and flushed the sludge from the bottom of the scrubber. This resolved the problem. No visible emissions were seen. Operators cleaned the roof. The ninth deviation was for a violation notice that they received on December 10, 2019 because a stack test showed that they were not meeting the combined capture and control efficiency limit in their ROP for the Oxidizer. A re-test has been scheduled. The facility reported one deviation for the flexible group FG2983CoatOxdOn oxidizer.
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03/18/2020	ROP SEMI 2 CERT	Compliance	<p>The company reported 9 deviations. The first was for the flexible group FG2983OxdOn oxidizer. They reported 5 malfunctions for the reporting period, which resulted in 3.5 hours of downtime. The second deviation was for FG--Milling. Purgers in the baghouse failed causing flour to get purged onto the roof. The purgers were all replaced and then confirmed to be functioning. The third deviation was for FG-17-20-32Cereal. The gaskets on the cartridge filters were flattened out allowing ingredient to get through. New cartridge filters were installed and the equipment and the area were cleaned. The fourth deviation was for FGBLD-29Cereal. The Aerodyne's sensor probe was not functioning properly, which caused the Aerodyne to plug up. The area was unplugged of material and the sensor probe was replaced. The fifth deviation was for FG-17-20-32Cereal. The wet scrubber was plugged. It was flushed, the filters were checked to ensure that they were installed correctly, and an electrician checked the water level probe. Filters were installed wrong, so this was corrected. The wet scrubber was then purging correctly. The sixth deviation was for FG-17-20-32Cereal. Food built up in the wet scrubber. Flushed the scrubber several times. This removed particles from spraying into the air. Stack was revisited and water mist was still spraying. Pipe fitter adjusted water flow for the scrubber to eliminate water mist. Once the flow was adjusted the mist stopped. The seventh deviation was for FGBLD-4Rice/Bran. M11776 airlock to the jetzone cooler was in a manual start position rather than auto, causing CP flakes to be released through the stack than recirculating. M11776 airlock was returned to an auto position allowing the system to work correctly and recirculate rather than release product. Deviation eight was for FG-17-20-32Cereal. The wet scrubber water level was too high, which caused water to spray from the stack carrying food</p>
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03/18/2020	CAM Excursions/Exceedances	Compliance	All CAM and non-CAM stack inspections were completed.
12/05/2019	Stack Test	Non Compliance	Emission testing results for Wet Rotoclone2983 and the Catalytic Oxidizer29113. Combined CE and DE was below the permitted minimum limit of 85.5%. The capture efficiency seems to be the issue. The company is working toward a solution. A violation notice will be sent.
09/25/2019	Stack Test Observation	Compliance	Testing for VOC destruction efficiency on catalytic oxidizer and associated wet rotoclone.
09/13/2019	ROP Semi 1 Cert	Compliance	The facility reported one deviation for the flexible group FG2983CoatOxdOn oxidizer. They reported 6 malfunctions for the reporting period, which resulted in 20.5 hours of downtime, and 0.43 tons of additional VOC emissions.

Name:  Date: 9/29/2020 Supervisor: RIL 10/5/20