

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N754351554

FACILITY: Alpha Baking		SRN / ID: N7543
LOCATION: 1661 28TH ST. SW, WYOMING		DISTRICT: Grand Rapids
CITY: WYOMING		COUNTY: KENT
CONTACT: Cyndi Jones , Plant Manager		ACTIVITY DATE: 11/19/2019
STAFF: Scott Evans	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Inspection to assess compliance with PTI 71-06		
RESOLVED COMPLAINTS:		

Introduction

On Tuesday, November 19th, 2019, Scott Evans (SE) and Kaitlyn DeVries (KD) conducted an unannounced site inspection of Alpha Baking (SRN: N7543). This facility was formerly registered in MACES as Ralcorp Frozen Bakery Products but has since changed ownership. The MACES file has been updated to reflect this change.

Upon arrival, SE and KD were greeted by Cyndi Jones (CJ), who is the facility's Acting Plant Manager and Rick Jones (RJ), who is the facility's Maintenance Manager. After initial introductions, SE, KD, CJ, and RJ sat to discuss the nature of the facility's Permit To Install (PTI) and the inspection that was to be conducted. A tour of the facility was then conducted, after which ~~the~~ CJ and RJ were able to directly provide necessary records for review to SE and KD. At that point, the visit was concluded.

Background

Alpha Baking (formerly Ralcorp) is a bakery that conducts large scale production of bread products, which are frozen and sent to various distributors and food establishments. Ingredients are received by the facility, measured, and mixed into the various dough products. These products are then proofed in one of two large proofing boxes and then baked in one of twenty-two ovens. The products are then cooled by fans and then packaged on site as needed. Some products are stored in a large, nitrogen blast freezer as part of the production process.

Permit Evaluation

This facility has one active Permit To Install (PTI 71-06) that covers one Flexible Group: FGPROOFBOX.

FGPROOFBOX consists of two emissions units: A Rack Proof Box (EURACK) and a Gouet Proof Box (EUGOJET). Neither emission unit is connected to any stack system. During the inspection it was visually confirmed that each proof box was present and functional. Neither has been altered through the life of the permit.

FGPROOFBOX is subject to a monthly VOC emissions limit of 1705 pounds per Rule 702. This requirement includes record keeping of daily dough production as well as calculated monthly VOC emissions. During the inspection the facility was able to provide SE and KD with printed records of both dough production and VOC calculations as required by the permit. A printed copy of these records from October 2018 through November 2019 (up through the day of the inspection) are attached to the report. Upon review, it was confirmed that all daily recordings of dough production remained below the required maximum of 110,000 pounds, with the highest daily recording being 78,184 pounds produced on November 11, 2019. It was confirmed that all monthly VOC calculations

provided were calculated as required in the permit by using the calculation below:

$$\text{VOC(lbs/month)} = (\text{Monthly Dough Production (lbs/month)} / 1000) \times 50$$

This calculation comes from the assumption that 1 pound of VOC emissions are produced for every 1 ton of dough produced. The recorded calculations were double-checked, and it was confirmed that VOC emissions each month were below the 1705 pounds per month requirement, with the highest producing month of October 2019 reaching 679.12 pounds of VOC emissions.

Other / New Equipment

The facility has four natural gas boilers on site, each running at 420,000 BTU/Hr capacity. During the inspection it was confirmed that all four boilers are the original units. These boilers are exempt from air use permitting per Rule 282(2)(b)(i).

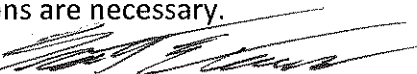
The facility operates 22 bakery ovens for bread production. During the inspection it was confirmed that these are all the original ovens. These ovens are exempt from air use permitting per Rule 282(2)(a)(v).

Since the last inspection, conducted in 2014, a new Nitrogen Blast Freezer has been installed in the facility and is used as part of the production process. The freezer uses a pressurized (30 PSIG), 13,000 gallon tank to store the nitrogen used to operate the freezer. This freezer system is exempt from air use permitting per Rule 284(2)(j).

Final Thoughts

At the conclusion of this inspection, it appears that all requirements of Permit To Install 71-06 are being met as required. All permitted equipment is present and functional as originally permitted, all records are maintained as required, all exempt equipment originally present remains unaltered, and all new equipment installed falls under exemption statuses. At this time, it is felt that no further actions are necessary.

NAME



DATE

12/6/19

SUPERVISOR

