

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604

DATE: APR 11 2019
SUBJECT: CLEAN AIR ACT INSPECTION REPORT
Crossroad Farms Dairy, Indianapolis, Indiana
FROM: Charles Hall, Environmental Engineer C. Hall
AECAB (MN/OH)
THRU: Brian Dickens, Section Chief
AECAB (MN/OH)
TO: File, Crossroad Farms Dairy, Indianapolis, Indiana

BASIC INFORMATION

Facility Name: Kroger Manufacturing - Crossroad Farms Dairy

Facility Location: 400 South Shortridge Road, Indianapolis, Indiana

Date of Inspection: 26 March 2019

EPA Inspector(s):

1. Charles Hall, Environmental Engineer
2. Marie St. Peter, Environmental Engineer

Other Attendees:

1. Eric Smarko, Plant Site Leader
2. Herman Gunawan, Plant Engineer

Contact Email Address: Eric.Smarko@Kroger.com

Purpose of Inspection: inspection of industrial process refrigeration units

Facility Type: milk bottler and ice cream manufacturer

Regulations Central to Inspection: 40 C.F.R. Part 82, Subpart F

Arrival Time: 9:20 a.m. EDT

Departure Time: 12:00 p.m. EDT

Inspection Type:

- ☒ Unannounced Inspection
- ☐ Announced Inspection

OPENING CONFERENCE

- ☒ Credentials Presented
- ☒ CBI warning to facility provided

The following information was obtained verbally from **ATTENDEE(S)**, unless otherwise noted.

Process Description:

Crossroad Farms Dairy (CFD) feeds plastic pellets from a hopper into a screw conveyor which also melts the pellets. Melted plastic drops into a mold which makes four half gallon or 1-gallon milk bottles. A chiller circulates refrigerant around the mold to solidify the plastic into shape. The bottle drops out of the mold, and is air cooled. The plastic flashing around the bottle's handle, top, and bottom are cut off. After a pressure test, each bottle is annealed to reduce the plastic's brittleness. If the chiller is not operating properly, the plastic becomes rubbery and the flashing does not cut off cleanly. Further, rubbery flashing may catch fire in the annealer. Three of the blow mold chillers use 55 pounds of R-22, and one uses 110 pounds of R-22. CFD has started a project to replace all four blow mold chillers with ammonia-based chillers by August 2019.

TOUR INFORMATION

EPA toured the facility: Yes.

Data Collected and Observations: were not taken during this inspection.

Photos and/or Videos: were not taken during this inspection.

Field Measurements: were not taken during this inspection.

Records: were not reviewed during this inspection because EPA has already requested them in a Clean Air Act Section 114 request for information.

CLOSING CONFERENCE**Requested Documents:**

- The inspectors requested a process flow diagram and a description of the chiller's refrigeration loop.

SIGNATURES

Lead Inspector: Charles Hall Date: 11 April 2019

Section Chief: Brian Devoens Date: 4/11/19