



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

**DATE:** *September 29, 2021*

**SUBJECT:** CLEAN AIR ACT INSPECTION REPORT  
Gulfstream Aerospace Corporation, 6365 Discovery Dr, Appleton, WI  
54914

**FROM:** Karina Kuc  
AECAB (IL/IN)

**THRU:** Nathan Frank, Section Chief  
AECAB (IL/IN)

**TO:** File

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**BASIC INFORMATION**

**Facility Name:** Gulfstream Aerospace Corporation (Gulfstream)

**Facility Location:** 6365 Discovery Dr, Appleton, WI 54914

**Date of Inspection:** August 27, 2021

**EPA Inspector(s):**

1. Karina Kuc, Environmental Engineer
2. Daniel Heins, Environmental Scientist

**Other Attendees:**

1. Gena Process, Environmental Compliance Program Specialist, Senior, Gulfstream

**Contact Email Address:** gena.process@gulfstream.com

**Purpose of Inspection:** To determine compliance with the Clean Air Act (CAA)

**Facility Type:** Complete, refurbish and service airplanes

**Arrival Time:** 9:00 AM

**Departure Time:** 10:20 PM

**Inspection Type:**

- Unannounced Inspection
- Announced Inspection

**OPENING CONFERENCE**

- Presented Credentials
- Stated authority and purpose of inspection
- Provided Small Business Resource Information Sheet
- Small Business Resource Information Sheet not provided. Reason: not a small business
- Provided CBI warning to facility

The following information was obtained verbally from Gulfstream representatives.

**Process Description:** The company completes, refurbishes and services airplanes. Airplanes for completion fly in with a fully painted exterior but empty interior. Gulfstream no longer paints plane exteriors at the Appleton location. Airplanes for refurbishing require existing interior to be torn out and replaced. Service work includes engine work, changing tires, changing oil, etc. The facility builds airplane furniture. They have various booths with various levels of particulate matter (PM) filters: six glue booths with 1 or 2-stage filters, four small parts booths with 3-stage filters, one finish booth with a 2-stage filter and a second finish booth being built with a 3-stage filter. A computer numerical control (CNC) machine used in furniture making, is controlled by a dust collector. Sanding can take place outside of a booth, in which case a tent is set up and vented to a 3-stage filter.

**Staff Interview:** Gulfstream removed their paint booth for painting plane exteriors in July 2019. Booths are inspected daily before use. No pressure drop readings are monitored or recorded. Visual indications or bad flow prompt a filter replacement. Pressure drop readings are monitored and recorded for the CNC machine dust collector. The products used have volatile organic compounds (VOC) content limits. Throughput of products is calculated assuming 100% consumption at time of purchase with the exception of P13 finish shop which has a dump chart to track product disposal. Ms. Process stated that relevant workers are trained per 40 CFR Part 63 Subpart HHHHHH for Paint Stripping and Miscellaneous Surface Coating.

**TOUR INFORMATION**

**EPA Tour of the Facility:** Yes

**Data Collected and Observations:** EPA toured the facility and observed a glue booth, finish booth, paint booth, the CNC machine dust collector, and a degreaser. The degreaser uses a non-halogenated solvent.

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

**Field Measurements:** were not taken during this inspection.

## CLOSING CONFERENCE

Provided U.S. EPA point of contact to the facility

### **Requested documents:**

- Most recent permit and subsequent revisions
- Emissions tracking spreadsheet and associated annual emissions report to Wisconsin Department of Natural Resources for 2020
- Performance tests
- Safety Data Sheets for most commonly used: primer, catalyst, glue
- Filter changeout records for most used booth for last 3 years

## SIGNATURES

X Kuc, Karina Digitally signed by Kuc,  
Karina  
Date: 2021.09.29  
14:42:10 -05'00'

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Karina Kuc  
Report Author

X NATHAN  
FRANK Digitally signed by  
NATHAN FRANK  
Date: 2021.10.01  
14:48:22 -05'00'

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Nathan Frank  
Section Chief