



State of Utah

SPENCER J. COX
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Department of
Environmental Quality

Tim Davis
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN121150008-26

January 6, 2026

Wade Russell
Albany Aerostructures Composites LLC
5995 West Amelia Earhart Drive
Salt Lake City, UT 84116
wade.russell@albint.us

Dear Mr. Russell:

Re: Approval Order: Modification to Approval Order DAQE-AN121150007-23 to Add an Autoclave and an Emergency Generator
Project Number: N121150008

The attached Approval Order (AO) is issued pursuant to the Notice of Intent (NOI) received on November 20, 2024. Albany Aerostructures Composites LLC must comply with the requirements of this AO, all applicable state requirements (R307), and Federal Standards.

The project engineer for this action is **Mr. Tim DeJulis**, who can be contacted at (385) 306-6523 or tdejulis@utah.gov. Future correspondence on this AO should include the engineer's name as well as the DAQE number shown on the upper right-hand corner of this letter. No public comments were received on this action.

Sincerely,

Bryce C. Bird
Director

BCB:TD:jg

cc: Salt Lake County Health Department

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

APPROVAL ORDER
DAQE-AN121150008-26
Modification to Approval Order DAQE-AN121150007-23 to Add an
Autoclave and an Emergency Generator

Prepared By
Mr. Tim DeJulis, Engineer
(385) 306-6523
tdejulis@utah.gov

Issued to
Albany Aerostructures Composites LLC

Issued On
January 6, 2026

Issued By



Bryce C. Bird
Director
Division of Air Quality

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name

Albany Aerostructures Composites LLC

Source Name

Albany Aerostructures Composites LLC

Mailing Address

5995 West Amelia Earhart Drive
Salt Lake City, UT 84116

Physical Address

5995 West Amelia Earhart Drive
506 North Billy Mitchell Road
Salt Lake City, UT 84116

Source Contact

Name: Wade Russell
Phone: (435) 830-8332
Email: wade.russell@albint.us

UTM Coordinates

412,788 m Easting
4,514,622 m Northing
Datum NAD83
UTM Zone 12

SIC code 3728 (Aircraft Parts & Auxiliary Equipment, NEC)

SOURCE INFORMATION

General Description

Albany Aerostructures Composites LLC, subsidiary of Albany Engineered Composites, Inc. (AEC), manufactures various aircraft parts with carbon fiber materials or aluminum metals. Aircraft parts are fabricated in two (2) separate buildings, located one mile apart, but all the emissions from both locations are accounted for. The manufacturing process involves the use of electrically or natural gas heated autoclaves, heated paint coating booths, and curing ovens. There are three (3) diesel-fired emergency generators, two (2) central vacuum systems with attached cyclones each, two (2) sand blasting booths with attached HEPA filtration systems, two (2) acetone bath hoods, and one (1) acetone recovery system.

NSR Classification

Minor Modification at Minor Source

Source Classification

Located in Northern Wasatch Front O3 NAA, Salt Lake City UT PM_{2.5} NAA, Salt Lake County SO₂ NAA
Salt Lake County
Airs Source Size: B

Applicable Federal Standards

NSPS (Part 60), A: General Provisions
NSPS (Part 60), III: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
MACT (Part 63), A: General Provisions

MACT (Part 63), ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Project Description

AEC has requested to modify AO DAQE-AN121150007-23, dated September 20, 2023, as follows:

Amelia Earhart Facility

1. Add one (1) natural gas-fired autoclave rated at 19.6 MMBtu/hr.
2. Add one (1) 1,754 kW diesel-fired emergency generator engine.

SUMMARY OF EMISSIONS

The emissions listed below are an estimate of the total potential emissions from the source. Some rounding of emissions is possible.

Criteria Pollutant	Change (TPY)	Total (TPY)
CO ₂ Equivalent	0	6710.00
Carbon Monoxide	5.86	11.43
Nitrogen Oxides	1.68	17.23
Particulate Matter - PM ₁₀	0.55	1.09
Particulate Matter - PM _{2.5}	0.55	1.04
Volatile Organic Compounds	7.43	24.54

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Styrene (CAS #100425)	0	340
Xylenes (Isomers And Mixture) (CAS #1330207)	0	1080
	Change (TPY)	Total (TPY)
Total HAPs	0	0.71

SECTION I: GENERAL PROVISIONS

I.1	All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]
I.2	The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]
I.3	Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]
I.4	All records referenced in this AO or in other applicable rules, which are required to be kept by the owner/operator, shall be made available to the Director or Director's representative upon request, and the records shall include the two-year period prior to the date of the request. Unless otherwise specified in this AO or in other applicable state and federal rules, records shall be kept for a minimum of two (2) years. [R307-401-8]

I.5	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]
I.6	The owner/operator shall comply with UAC R307-107. General Requirements: Breakdowns. [R307-107]
I.7	The owner/operator shall comply with UAC R307-150 Series. Emission Inventories. [R307-150]
I.8	The owner/operator shall submit documentation of the status of construction or modification to the Director within 18 months from the date of this AO. This AO may become invalid if construction is not commenced within 18 months from the date of this AO or if construction is discontinued for 18 months or more. To ensure proper credit when notifying the Director, send the documentation to the Director, attn.: NSR Section. [R307-401-18]

SECTION II: PERMITTED EQUIPMENT

II.A THE APPROVED EQUIPMENT

II.A.1	Albany Aerostructures Composites LLC
II.A.2	<p>Amelia Earhart, Autoclaves One (1) Autoclave (new) Fuel: Natural Gas Capacity: 19.6 MMBtu/hr</p> <p>One (1) Autoclave Fuel: Natural Gas Capacity: 4 MMBtu/hr</p> <p>One (1) Autoclave Fuel: Natural Gas Capacity: 1.5 MMBtu/hr</p>
II.A.3	<p>Amelia Earhart, Heated Coating Booths Seven (7) Heated Coating Booths Fuel Type: Natural Gas Controls: Filters Capacity: <5 MMBtu/hr each</p>
II.A.4	<p>Amelia Earhart, Coating Booths Two (2) Coating Booths Controls: Filters</p>

<p>II.A.5</p>	<p>Amelia Earhart, Emergency Generators One (1) Emergency Generators (new) Fuel Type: Diesel Capacity: 1,754 kW (2,352 hp) each Manufacture Date: 2024 NSPS Subpart III MACT Subpart ZZZZ</p> <p>Two (2) Emergency Generators Fuel Type: Diesel Capacity: 1,998 kW (2,680 hp) each Manufacture Date: 2011, 2018 NSPS Subpart III MACT Subpart ZZZZ</p>
<p>II.A.6</p>	<p>Amelia Earhart, Local Exhaust Ventilation (LEV) Two (2) LEV Over Paint Mixing Bench and Paint Gun Cleaner One (1) LEV Connected to a Layup Cutting Table</p>
<p>II.A.7</p>	<p>Amelia Earhart, Laboratory Fume Hoods Two (2) Fume Hoods</p>
<p>II.A.8</p>	<p>Both Facilities, Various Heaters Assorted Hanging Comfort Heaters Fuel: Natural Gas Capacity: <5 MMBtu/hr</p> <p>Listed for informational purposes only.</p>
<p>II.A.9</p>	<p>Both Facilities, Ovens, and Autoclaves Multiple Ovens and Autoclaves Fuel Type: Electric</p>
<p>II.A.10</p>	<p>Billy Mitchell, Curing Ovens One (1) Natural Gas Curing Oven Capacity: <2.5 MMBtu/hr</p>
<p>II.A.11</p>	<p>Billy Mitchell, Central Vacuum Two (2) Central Vacuum Systems Main Central Vacuum Flow Rate: 600 scfm Controls: Cyclone</p> <p>Foam Mixing Room Central Vacuum Flow Rate: 155 scfm Controls: Cyclone</p>
<p>II.A.12</p>	<p>Billy Mitchell, Coating Booth One (1) Crossflow Booth Controls: Filters</p>

II.A.13	<p>Billy Mitchell, Sand Blast/Grind Booth Room Two (2) Sand Blast Booths Flow Rate: 6,000 scfm each Controls: HEPA Filter Collector each</p> <p>Grind Booth Flow Rate: 4,000 scfm Controls: Filter Collector</p>
II.A.14	<p>Billy Mitchell, Acetone Bath Hoods (LEV) Two (2) LEV Over Acetone Baths</p>
II.A.15	<p>Billy Mitchell, Acetone Recovery System Flow Rate: 30-35 gallons per hour</p>
II.A.16	<p>Billy Mitchell, Winding Room Local Exhaust Vent LEV in the Winding Room</p>

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	<p>Site Wide Requirements</p>
II.B.1.a	<p>The owner/operator shall operate the sand blasting and grinding booth rooms according to R307-306. [R307-306]</p>
II.B.1.b	<p>Visible emissions from the following emission points shall not exceed the following values:</p> <ul style="list-style-type: none"> A. Filter collectors - 10% opacity B. Natural gas operated equipment - 10% opacity C. All other points - 20% opacity. <p>[R307-401-8]</p>
II.B.1.b.1	<p>Opacity observations of visible emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-305]</p>
II.B.1.c	<p>The owner/operator shall not consume/use more than 280 million cubic feet of natural gas per rolling 12-month period combined for both locations. [R307-401]</p>
II.B.1.c.1	<p>The owner/operator shall:</p> <ul style="list-style-type: none"> A. Determine consumption with monthly natural gas billing statements from a utility company. B. Use the consumption data to calculate a new rolling 12-month total by the 20th day of each month using data from the previous 12 months C. Keep the consumption records for all periods the plant is in operation. <p>[R307-401-8]</p>

II.B.1.d	The owner/operator shall use only natural gas as a primary fuel for autoclaves. [R307-401-8]
II.B.1.e	The filter collector shall control process streams from the sand blasting and grinding operations. All exhaust air from the sand blasting and grinding operations shall be routed through the filter collector before being vented to the atmosphere. [R307-401-8]
II.B.1.f	The coating booths shall each be equipped with a set of paint arrestor particulate filters, or equivalent, to control particulate emissions. All air exiting the booths shall pass through this control system before being vented to the atmosphere. [R307-401-8]
II.B.2	VOC Requirements
II.B.2.a	The owner/operator shall comply with R307-355 for all evaporative source (coating and solvent cleaning) operations. [R307-355]
II.B.2.b	<p>The owner/operator shall not emit more than the following from evaporative sources (painting, printing, coating, and/or cleaning) on site:</p> <p>24.54 tons per rolling 12-month period of VOCs 0.54 tons per rolling 12-month period for xylene 0.17 tons per rolling 12-month period for styrene.</p> <p>[R307-401-8]</p>
II.B.2.b.1	<p>The owner/operator shall calculate a new 12-month total by the 20th day of each month using data from the previous 12 months. The owner/operator shall use a mass-balance method to calculate emissions from evaporative sources. The owner/operator may use the following equations with applicable units to comply with the mass-balance method:</p> <p>VOCs = [% VOCs by Weight/100] x [Density] x [Volume Consumed]</p> <p>HAP = [% HAP by Weight/100] x [Density] x [Volume Consumed]</p> <p>For styrene emissions calculations, an emissions factor of 0.079 may be used in the following procedure:</p> <p>Styrene = [% Styrene by Weight/100] x [Density (lb/gal)] x [Gal Consumed] x [1 ton/2000 lb] x [0.079].</p> <p>[R307-401-8]</p>

<p>II.B.2.b.2</p>	<p>The owner/operator shall keep records each month of the following:</p> <ul style="list-style-type: none"> A. The name (as per SDS) of the VOC- and HAP-emitting material B. The maximum percent by weight of VOCs and each HAP in each material used C. The density of each material used D. The volume of each VOC- and HAP-emitting material used E. The amount of VOCs and the amount of each HAP emitted from each material F. The amount of VOCs and the amount of each HAP reclaimed and/or controlled from each material G. The total amount of VOCs, the total amount of each HAP, and the total amount of all HAPs combined emitted from all materials (in tons). <p>[R307-401-8]</p>
<p>II.B.2.b.3</p>	<p>The owner/operator shall use a mass-balance method to quantify any amount of VOCs and HAPs reclaimed. The owner/operator shall subtract the amount of VOCs and HAPs reclaimed from the quantities calculated above to provide the monthly total emissions of VOCs and HAPs.</p> <p>[R307-401-8]</p>
<p>II.B.2.c</p>	<p>Control techniques and work practices shall be implemented at all times to reduce VOC emissions from coating and solvent cleaning operations. Control techniques and work practices shall include but are not limited to:</p> <ul style="list-style-type: none"> A. Storing all VOC-containing coatings, adhesives, thinners, and coating-related waste materials in closed containers; B. Ensuring that mixing and storage containers used for VOC-containing coatings, adhesives, thinners, and coating-related waste material are kept closed at all times except when depositing or removing these materials; C. Minimizing spills of VOC-containing coatings, adhesives, thinners, and coating-related waste materials; and D. Conveying VOC-containing coatings, adhesives, thinners, and coating-related waste materials from one location to another in closed containers, in pipes, in containers with activated carbon, or in other control approved by the EPA Administrator. <p>[R307-355-7]</p>

II.B.3	Engine Requirements
II.B.3.a	<p>Each emergency engine on site during non-emergency situations shall comply with the following:</p> <ul style="list-style-type: none"> A. Shall not operate for more than 100 hours per 12-month period, B. Shall not operate between the hours of 5pm to 9am, C. Shall not operate for more than a half-hour for each firing. <p>There is no time limit on the use of the engines during emergencies.</p> <p>[40 CFR 63 Subpart ZZZZ, R307-401-8]</p>
II.B.3.a.1	<p>To determine compliance with a rolling 12-month total, the owner/operator shall calculate a new 12-month total by the 20th day of each month using data from the previous 12 months. Records documenting the operation of each emergency engine shall be kept in a log and shall include the following:</p> <ul style="list-style-type: none"> A. The date and time the emergency engine was used B. The duration of operation in hours C. The reason for the emergency engine usage. <p>[40 CFR 63 Subpart ZZZZ, R307-401-8]</p>
II.B.3.a.2	<p>To determine the duration of operation, the owner/operator shall install a non-resettable hour meter for each emergency engine. [40 CFR 63 Subpart ZZZZ, R307-401-8]</p>
II.B.3.b	<p>The owner/operator shall only use diesel fuel (e.g., fuel oil #1, #2, or diesel fuel oil additives) as fuel in each emergency engine. [R307-401-8]</p>
II.B.3.b.1	<p>The owner/operator shall only combust diesel fuel that meets the definition of ultra-low sulfur diesel (ULSD), which has a sulfur content of 15 ppm or less. [R307-401-8]</p>
II.B.3.b.2	<p>To demonstrate compliance with the ULSD fuel requirement, the owner/operator shall maintain records of diesel fuel purchase invoices or obtain certification of sulfur content from the diesel fuel supplier. The diesel fuel purchase invoices shall indicate that the diesel fuel meets the ULSD requirements. [R307-401-8]</p>
II.B.3.b.3	<p>The sulfur content shall be determined by ASTM Method D2880-71, D4294-89, or approved equivalent. Certification of diesel fuel shall be either by the owner/operator's own testing or by test reports from the diesel fuel marketer. [R307-203-1]</p>
II.B.3.c	<p>The owner/operator shall only operate engines that are certified to not exceed the exhaust emission standards contained in 40 CFR 60.4205(b). [40 CFR 60 Subpart IIII, R307-401-8]</p>
II.B.3.c.1	<p>The owner/operator shall maintain records of engine certification as long as the site remains in operation. [40 CFR 60 Subpart IIII, R307-401-8]</p>

PERMIT HISTORY

This Approval Order shall supersede (if a modification) or will be based on the following documents:

Supersedes
Is Derived From
Incorporates
Incorporates
Incorporates

AO DAQE-AN121150007-23 dated September 20, 2023
NOI dated November 20, 2024
Additional information dated December 11, 2024
Additional information dated January 21, 2025
Additional information dated June 11, 2025

ACRONYMS

The following lists commonly used acronyms and associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by Environmental Protection Agency to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CMS	Continuous monitoring system
CO	Carbon monoxide
CO ₂	Carbon Dioxide
CO _{2e}	Carbon Dioxide Equivalent - Title 40 of the Code of Federal Regulations Part 98, Subpart A, Table A-1
COM	Continuous opacity monitor
DAQ/UDAQ	Division of Air Quality
DAQE	This is a document tracking code for internal Division of Air Quality use
EPA	Environmental Protection Agency
FDCP	Fugitive dust control plan
GHG	Greenhouse Gas(es) - Title 40 of the Code of Federal Regulations 52.21 (b)(49)(i)
GWP	Global Warming Potential - Title 40 of the Code of Federal Regulations Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/YR	Pounds per year
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO _x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM ₁₀	Particulate matter less than 10 microns in size
PM _{2.5}	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO ₂	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
TPY	Tons per year
UAC	Utah Administrative Code
VOC	Volatile organic compounds