



State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN143230004-24

October 24, 2024

Heidi Naylor
Bluehost Holdings
1958 South 950 East
Provo, UT 84606
heidi.naylor@newfold.com

Dear Ms. Naylor:

Re: Approval Order: Administrative Amendment to Approval Order DAQE-AN0143230002-11,
dated July 21, 2011, for a 10-Year Review, Permit Updates, and Ownership Change
Project Number: N143230004

The attached Approval Order (AO) is issued pursuant to the Division of Air Quality conducting a 10-Year administrative review of this source and its respective AO. Bluehost Holdings must comply with the requirements of this AO, all applicable state requirements (R307), and Federal Standards.

The project engineer for this action is **Dylan Frederick**, who can be contacted at (385) 306-6529 or dfrederick@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.

Sincerely,

Bryce C. Bird
Director

BCB:DF:jg

cc: Utah County Health Department

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

APPROVAL ORDER
DAQE-AN143230004-24
Administrative Amendment to Approval Order
DAQE-AN0143230002-11, dated July 21, 2011, for a 10-Year
Review, Permit Updates, and Ownership Change

Prepared By
Dylan Frederick, Engineer
(385) 306-6529
dfrederick@utah.gov

Issued to
Bluehost Holdings - Data Center

Issued On
October 24, 2024

Issued By

A handwritten signature in black ink, appearing to read 'Bryce C. Bird', written in a cursive style.

Bryce C. Bird
Director
Division of Air Quality

TABLE OF CONTENTS

TITLE/SIGNATURE PAGE	1
GENERAL INFORMATION	3
CONTACT/LOCATION INFORMATION	3
SOURCE INFORMATION	3
General Description	3
NSR Classification.....	3
Source Classification	3
Applicable Federal Standards	3
Project Description.....	4
SUMMARY OF EMISSIONS.....	4
SECTION I: GENERAL PROVISIONS.....	4
SECTION II: PERMITTED EQUIPMENT	5
SECTION II: SPECIAL PROVISIONS.....	5
PERMIT HISTORY	6
ACRONYMS	7

GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name

Bluehost Holdings

Source Name

Bluehost Holdings - Data Center

Mailing Address

1958 South 950 East
Provo, UT 84606

Physical Address

1958 South 950 East
Provo, UT 84606

Source Contact

Name: Heidi Naylor
Phone: (801) 518-7087
Email: heidi.naylor@newfold.com

UTM Coordinates

445,294 m Easting
4,450,889 m Northing
Datum NAD83
UTM Zone 12

SIC code 7374 (Computer Processing & Data Preparation & Processing Services)

SOURCE INFORMATION

General Description

BlueHost Holdings operates a data center in Utah County. The data center operates three (3) diesel-fueled emergency generators rated 2 MW each.

NSR Classification

10-Year Review

Source Classification

Located in Southern Wasatch Front O3 NAA, Provo UT PM_{2.5} NAA
Utah County
Airs Source Size: B

Applicable Federal Standards

NSPS (Part 60), A: General Provisions
NSPS (Part 60), IIII: 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

This administrative amendment is a 10-Year Review of this source and the AO DAQE-AN0143230002-11, dated July 21, 2011, associated with it. Contact information and formatting have been updated, and conditions have been updated with modern language. Emission estimates have also been updated to account for CO_{2e} emissions. The owner has changed since the last AO was issued; Ace Data Center was purchased by Bluehost Holdings.

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		467.00
Carbon Monoxide	0	5.24
Nitrogen Oxides	0	14.13
Particulate Matter - PM ₁₀	0	0.61
Particulate Matter - PM _{2.5}	0	0.61
Sulfur Dioxide	0	0.22
Volatile Organic Compounds	0	0.51

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Generic HAPs (CAS #GHAPS)	0	18
	Change (TPY)	Total (TPY)
Total HAPs	0	0.01

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]

SECTION II: PERMITTED EQUIPMENT

II.A THE APPROVED EQUIPMENT

II.A.1	Data Center
II.A.2	Diesel Generator #1 Rating: 2000 kW Model: 2000RXC6DT2
II.A.3	Diesel Generator #2 Rating: 2000 kW Model: 2000RXC6DT2
II.A.4	Diesel Generator #3 Rating: 2000 kW Model: 2000RXC6DT2

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	Emergency Engine Requirements
II.B.1.a	The owner/operator shall not operate each emergency engine on site for more than 100 hours per rolling 12-month period during non-emergency situations. There is no time limit on the use of the engines during emergencies. [40 CFR 63 Subpart ZZZZ, R307-401-8]

II.B.1.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 supervisor monitoring log and shall include the following:</p> <p>A. The date the emergency engine was used.</p> <p>B. The duration of operation in hours.</p> <p>C. The reason for the emergency engine usage.</p> <p>[40 CFR 63 Subpart ZZZZ, R307-401-8]</p>
II.B.1.b	<p>The owner/operator shall not conduct testing and maintenance on each emergency generator before 2:00 am or after 12:00 pm. The owner/operators shall not conduct testing and maintenance on each emergency generator for more than 30 minutes per clock hour.</p> <p>[R307-401-8]</p>
II.B.1.c	<p>The owner/operator shall not operate more than one (1) emergency generator at a time during testing and maintenance. [R307-401-8]</p>
II.B.1.d	<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.</p> <p>[40 CFR 63 Subpart ZZZZ, R307-401-8]</p>
II.B.1.d.1	<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. [R307-401-8]</p>
II.B.1.e	<p>The owner/operator shall not allow visible emissions from the emergency generators to exceed 20 % opacity. [R307-305-3, R307-401-8]</p>
II.B.1.e.1	<p>Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-305-3, R307-401-8]</p>

PERMIT HISTORY

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

Supersedes
Incorporates
Incorporates

AO DAQE-AN0143230002-11 dated July 21, 2011
Additional Information dated September 6, 2023
Additional Information dated August 28, 2024

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 ₂ e	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