



State of Utah

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Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN104360001-24

October 21, 2024

Mark Crnich
Jazz Arena Investors LLC, DBA Delta Center
301 West South Temple
Salt Lake City, UT 84101
mcrnich@deltacenter.com

Dear Mr. Crnich:

Re: Approval Order: Administrative Amendment to Approval Order BAQE-199-90 dated March 27, 1990, for a 10-Year Review and Permit Updates
Project Number: N104360001

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. Jazz Arena Investors LLC, DBA Delta Center must comply with the requirements of this AO, all applicable state requirements (R307), and Federal Standards.

The project engineer for this action is **Katie Andersen**, who can be contacted at (385) 515-1748 or kandersen@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:KA:jg

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

APPROVAL ORDER
DAQE-AN104360001-24
Administrative Amendment to Approval Order BAQE-199-90 dated
March 27, 1990, for a 10-Year Review and Permit Updates

Prepared By
Katie Andersen, Engineer
(385) 515-1748
kandersen@utah.gov

Issued to
Jazz Arena Investors LLC - Delta Center

Issued On
October 21, 2024

Issued By

A handwritten signature in black ink, appearing to read 'Bryce C. Bird', is positioned above the printed name.

Bryce C. Bird
Director
Division of Air Quality

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name

Jazz Arena Investors LLC, DBA Delta Center

Source Name

Jazz Arena Investors LLC - Delta Center

Mailing Address301 West South Temple
Salt Lake City, UT 84101**Physical Address**301 West South Temple
Salt Lake City, UT 84101**Source Contact**Name: Mark Crnich
Phone: (801) 301-3585
Email: mcrnich@deltacenter.com**UTM Coordinates**423,958 m Easting
4,513,414 m Northing
Datum NAD83
UTM Zone 12**SIC code** 7941 (Professional Sports Clubs & Promoters)

SOURCE INFORMATION

General Description

The Delta Center is an indoor venue located in Salt Lake County. The Delta Center is the home of the Utah Jazz and hosts a variety of sporting events and concerts. The Delta Center has a 20,000-seat complex around a center floor and several support facilities. The source uses two (2) 12.6 MMBtu/hr boilers and one (1) 6 MMBtu/hr boiler for heating and domestic hot water. All three (3) boilers are equipped with low-NO_x burners. The source also contains one (1) 750 kW diesel-fired emergency generator.

NSR Classification

10-Year Review

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), Dc: Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
MACT (Part 63), A: General Provisions
MACT (Part 63), ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

MACT (Part 63), JJJJJ: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
Title V (Part 70) Area Source

Project Description

This is a 10-Year Review to update the language, formatting, and layout of the Approval Order to match current DAQ permitting standards.

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)
Carbon Monoxide	0	11.56
Nitrogen Oxides	0	14.72
Particulate Matter - PM ₁₀	0	1.06
Particulate Matter - PM _{2.5}	0	1.06
Sulfur Dioxide	0	0.08
Volatile Organic Compounds	0	0.77

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Generic HAPs (CAS #GHAPS)	0	500
	Change (TPY)	Total (TPY)
Total HAPs	0	0.25

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	Delta Center
II.A.2	Two (2) 12.6 MMBtu/hr Dual-Fire Boilers Fuel: Natural Gas (primary), Diesel (backup) Control: Low NO _x Burner NSPS Applicability: Subpart Dc MACT Applicability: Subpart JJJJJ
II.A.3	One (1) 6 MMBtu/hr Dual-Fire Boiler Fuel: Natural Gas (primary), Diesel (backup) Control: Low NO _x Burner MACT Applicability: Subpart JJJJJ

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	Boiler Plant Requirements
II.B.1.a	The owner/operator shall operate the boiler plant with 0% opacity. [R307-401-8]
II.B.1.a.1	Opacity observations of emissions from stationary source shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-401-8]
II.B.1.b	The owner/operator shall use natural gas as the primary fuel for the boiler plant. If the natural gas service is interrupted, the owner/operator may use diesel fuel as an emergency backup fuel. [R307-401-8]
II.B.1.c	The owner/operator shall only combust fuel oil that has a sulfur content less than 0.85 pounds of sulfur per million BTU heat input. [R307-401-8]

II.B.1.c.1	Sulfur content shall be determined by ASTM Method D-4239-83. The sulfur content shall be tested if directed by the Director. [R307-401-8]
II.B.1.d	The owner/operator shall not exceed 48 hours for testing and maintenance on fuel oil per rolling 12-month period. [40 CFR 63 Subpart JJJJJ]
II.B.1.d.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 use of fuel oil in the dual-fire boilers shall be kept in a log and shall include the following:</p> <ul style="list-style-type: none"> A. The date fuel oil was used in the boilers. B. The duration of fuel oil use. C. The reason for using fuel oil in the boilers. <p>[40 CFR 63 Subpart JJJJJ]</p>
II.B.1.e	The owner/operator shall not consume more than 30,000,000 scf of natural gas per rolling 12-month period. [R307-401-8]
II.B.1.e.1	<p>The owner/operator shall:</p> <ul style="list-style-type: none"> A. Determine consumption by examination of natural gas fuel bills. B. Record consumption on a monthly basis. C. Use consumption data to calculate a new rolling 12-month total on the first day of each month using data from the previous 12 months. D. Keep records of consumption for all periods when the plant is in operation. <p>[R307-401-8]</p>
II.B.1.f	The owner/operator shall install low-NO _x burners in all boilers to minimize emissions of nitrogen oxides. [R307-401-8]

PERMIT HISTORY

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

Supersedes

AO BAQE-199-90 dated March 27, 1990

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