State of Utah

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Department of
Environmental Quality

Tim Davis
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN162810001-26

January 22, 2026

Aaron McDougal
Joule Capital Partners, LLC
2352 West Old Rosebud Lane
South Jordan, UT 84095
aaron@joulecapitalpartners.com

Dear Mr. McDougal:

Re: Approval Order: New Natural Gas Power Facility
Project Number: N162810001

The attached Approval Order (AO) is issued pursuant to the Notice of Intent (NOI) received on June 18, 2025. Joule Capital Partners, LLC must comply with the requirements of this AO, all applicable state requirements (R307), and Federal Standards.

The project engineer for this action is **John Persons**, who can be contacted at (385) 306-6503 or jpersons@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:JP:jg

cc: Central Utah Health Department

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

APPROVAL ORDER
DAQE-AN162810001-26
New Natural Gas Power Facility

Prepared By
John Persons, Engineer
(385) 306-6503
jpersons@utah.gov

Issued to
Joule Capital Partners, LLC

Issued On
January 22, 2026

Issued By

Bryce C. Bird
Director
Division of Air Quality

TABLE OF CONTENTS

GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name
Joule Capital Partners, LLC

Source Name
Joule Capital Partners, LLC

Mailing Address
2352 West Old Rosebud Lane
South Jordan, UT 84095

Physical Address
4000' South of West 11000 N Street West of
North City Road 4866
Fillmore, UT 84631

Source Contact
Name: Aaron McDougal
Phone: (801) 413-8707
Email: aaron@joulecapitalpartners.com

UTM Coordinates
381,071.57 m Easting
4,338,012 m Northing
Datum NAD83
UTM Zone 12

SIC code 4911 (Electric Services)

SOURCE INFORMATION

General Description
Joule Capital Partners, LLC (JCP) has requested to operate a new natural gas-powered datacenter in Millard County. The facility will consist of natural gas-fired generator engines, diesel-fired emergency generator engines, and boiler chillers. The facility will be a new Major Source.

NSR Classification
New Major Source

Source Classification
Located in Attainment Area
Millard County
Airs Source Size: A

Applicable Federal Standards
NSPS (Part 60), A: General Provisions
NSPS (Part 60), IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
NSPS (Part 60), JJJJ: Standards of Performance for Stationary Spark 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
MACT (Part 63), DDDDD: National Emission Standards for Hazardous Air Pollutants for

Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters

Project Description
JCP has requested to install a natural gas-powered datacenter. The facility will consist of sixty-nine (69) 3,392 hp natural gas-fired engines, sixty-nine (69) 3,633 hp diesel-fired emergency generator engines, and sixty-nine (69) indirect-fired absorption chillers.

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		865632.00
Carbon Monoxide		203.34
Nitrogen Oxides		230.12
Particulate Matter - PM_{10}		60.89
Particulate Matter - $PM_{2.5}$		60.89
Sulfur Dioxide		3.80
Volatile Organic Compounds		106.70

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Acetaldehyde (CAS #75070)		48002
Acrolein (CAS #107028)		29600
Benzene (Including Benzene From Gasoline) (CAS #71432)		2610
Formaldehyde (CAS #50000)		138400
Generic HAPs (CAS #GHAPS)		14780
Hexane (CAS #110543)		2020
Methanol (CAS #67561)		14380
Toluene (CAS #108883)		2368
	Change (TPY)	**Total (TPY)**
Total HAPs		126.08

SECTION I: GENERAL PROVISIONS

I.1	All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC Rule 307 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 five-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 five (5) 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. Inventories, Testing and Monitoring. [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	**Natural Gas Power Facility with Datacenter**
II.A.2	**Sixty-Nine (69) Natural Gas-Fired Generator Engines** Quantity: Sixty-Nine (69) Power: 3,392 hp each (2,531 kW) 40 CFR 63 MACT Applicability: Subpart ZZZZ 40 CFR 60 NSPS Applicability: Subpart JJJJ Controls: Selective Catalytic Reduction (SCR) and Oxidative Catalyst (OC)
II.A.3	**Sixty-Nine (69) Diesel-Fired Emergency Generator Engine** Quantity: Sixty-Nine (69) Power: 3,633 hp each (2,711 kW) 40 CFR 63 MACT Applicability: Subpart ZZZZ 40 CFR 60 NSPS Applicability: Subpart IIII Controls: Tier 2 and ultra-low sulfur diesel
II.A.4	**Sixty-Nine (69) Boiler Chillers** Quantity: Sixty-Nine (69) Power: 1.9 MMBtu/hr each 40 CFR 63 MACT Applicability: Subpart DDDDD

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	**Site-wide Requirements**
II.B.1.a	The owner/operator shall not allow visible emissions from each natural gas-fired engine on site to exceed 10% opacity. [R307-401-8]
II.B.1.a.1	Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. [R307-401-8]
II.B.1.b	The owner/operator shall install and operate SCR and OC systems on each of the natural gas-fired generator engines. [R307-401-8]
II.B.1.b.1	The owner/operator shall operate each SCR in accordance with manufacturer specifications and recommendations to minimize ammonia slip. [R307-401-8]
II.B.1.b.2	The owner/operator shall inspect the SCRs each calendar year and replace the catalyst in accordance with manufacturer recommendations. Records of SCR inspections and catalyst replacement shall be kept for the life of the equipment. [R307-401-8]
II.B.1.c	The owner/operator shall maintain certification records that show the natural gas-fired engines are certified to meet the following emissions rates: A. 0.08 g/hp-hr CO B. 0.07 g/hp-hr VOC C. 0.06 g/hp-hr NO_x. [R307-401-8]
II.B.1.c.1	To demonstrate compliance with each emission rate, the owner/operator shall keep a record of the manufacturer's certification of each emission rate. The records shall be kept for the life of the equipment. [R307-401-8]
II.B.1.d	The owner/operator shall operate all natural gas-fired engines in accordance with the manufacturer's operational and maintenance guidelines. [R307-401-8]
II.B.1.e	The owner/operator shall combust only pipeline-quality natural gas as fuel in each natural gas-fired engine. [R307-401-8]
II.B.1.f	The owner/operator shall operate all natural gas-fired generator engines in accordance with the applicable requirements of 40 CFR 60 (NSPS) Subpart JJJJ and 40 CFR 63 (MACT) Subpart ZZZZ. [40 CFR 60 Subpart JJJJ, 40 CFR 63 Subpart ZZZZ, R307-401-8]
II.B.2	**Diesel-Fired Emergency Generator Engine Requirements**
II.B.2.a	The owner/operator shall not allow visible emissions from each diesel-fired emergency generator engine on site to exceed 20% opacity. [R307-201-3, R307-401-8]
II.B.2.a.1	Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. [R307-401-8]
II.B.2.b	The owner/operator shall operate no more than five (5) emergency generators at the same time for non-emergency purposes. [R307-401-8]

II.B.2.c	The owner/operator shall ensure all diesel-fired emergency generator engines on site meet the Tier 2 standards. [R307-401-8]
II.B.2.c.1	The owner/operator shall keep records demonstrating that all diesel-fired generator engines on site meet the Tier 2 standards. These records shall be kept on site for the lifetime of the equipment. [R307-401-8]
II.B.2.d	The owner/operator shall operate the diesel-fired emergency generator engines in accordance with the manufacturer's operational and maintenance guidelines. [R307-401-8]
II.B.2.e	The owner/operator shall not operate each emergency engine on site for more than 50 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 60 Subpart ZZZZ, R307-401-8]
II.B.2.e.1	The owner/operator shall not operate the emergency-use generators for non-emergency purposes before 9:00 am or after 2:00 pm. [R307-401-8]
II.B.2.e.2	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: A. The date the emergency engine was used B. The duration of operation in hours C. The reason for the emergency engine usage. [40 CFR 60 Subpart ZZZZ, R307-401-8]
II.B.2.e.3	To determine the duration of operation, the owner/operator shall install a non-resettable hour meter for each emergency engine. [R307-401-8, 40 CFR 63 Subpart ZZZZ]
II.B.2.f	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]
II.B.2.f.1	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]
II.B.2.f.2	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]
II.B.3	**Boiler Chiller Requirements**
II.B.3.a	The owner/operator shall not allow visible emissions from each boiler chiller on site to exceed 10% opacity. [R307-401-8]
II.B.3.a.1	Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. [R307-401-8]
II.B.3.b	The owner/operator shall operate each boiler chiller in accordance with the manufacturer's operational and maintenance guidelines. [R307-401-8]

PERMIT HISTORY

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

Is Derived From	NOI dated June 18, 2025
Incorporates	Additional Information dated July 2, 2025
Incorporates	Additional Information dated July 7, 2025
Incorporates	Additional Information dated July 29, 2025
Incorporates	Additional Information dated August 4, 2025
Incorporates	Additional Information dated August 26, 2025
Incorporates	Additional Information dated September 18, 2025
Incorporates	Additional Information dated September 22, 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