State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of
Environmental Quality

Tim Davis
Commissioner

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN162930001-26

September 11, 2026

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

Dear Mr. McDougal:

Re: Approval Order: New Natural Gas-Powered Datacenter
Project Number: N162930001

The attached Approval Order (AO) is issued pursuant to the Notice of Intent (NOI) received on July 29, 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-AN162930001-26
New Natural Gas-Powered Datacenter

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

Issued to
Joule Capital Partners, LLC - Site #5 Datacenter

Issued On
September 11, 2026

Issued By

Bryce C. Bird
Director
Division of Air Quality

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name
Joule Capital Partners, LLC

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

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

Source Name
Joule Capital Partners, LLC - Site #5 Datacenter

Physical Address
Site #5: Northwest Corner of West 11000 North
4866 County Rd (39°12'09.4"N 112°22'35.2"W)
Fillmore, UT 84631

UTM Coordinates
381,143 m Easting
4,340,183 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 be recognized as Site #5 and will consist of natural gas-fired generator engines, diesel-fired emergency generator engines, boiler chillers, and diesel storage tanks. The facility will be a new Major Title V and HAP source but not a PSD source.

NSR Classification
New NSR Minor, Title V 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, sixty-nine (69) boiler chillers, and six (6) diesel storage tanks.

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		191.98

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)		76800
Generic HAPs (CAS #GHAPS)		14780
Hexane (CAS #110543)		2020
Methanol (CAS #67561)		14380
Toluene (CAS #108883)		2368
	Change (TPY)	**Total (TPY)**
Total HAPs		95.28

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. 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. 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	**Natural Gas Power Facility with Datacenter**
II.A.2	**Sixty-Nine (69) Natural Gas-Fired Generator Engines** Quantity: Sixty (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 Engines** 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 (ULSD)

II.A.4	**Sixty-Nine (69) Boiler Chillers** Quantity: Sixty-nine (69) Rating: 6.338 MMBtu/hr each Controls: Ultra-low-NO_x Burner (9 ppm NO_x) 40 CFR 63 MACT Applicability: Subpart DDDDD
II.A.5	**Six (6) Diesel Storage Tanks** Quantity: Six (6) Capacity: 10,000 gallons each

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	**Sitewide Requirements**
II.B.1.a	The owner/operator shall not allow visible emissions from each natural gas-fired engine onsite 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 specification 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 operate all natural gas-fired engines in accordance with the manufacturer's operational and maintenance guidelines. [R307-401-8]
II.B.1.d	The owner/operator shall combust only pipeline-quality natural gas as fuel in each natural gas-fired engine. [R307-401-8]
II.B.1.e	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	**Natural Gas-Fired Engine Stack Testing Requirements**
II.B.2.a	The owner/operator shall not emit more than the following rates and concentrations from each Natural Gas-Fired Engine Exhaust Stack: **Pollutant** **g/hp-hr** NO_x 0.06 CO 0.08 VOCs 0.078 [R307-401-8]

II.B.2.a.1	**Initial Test** The owner/operator shall conduct an initial stack test on the emission unit within 180 days after startup of the emission unit. [R307-165-2]
II.B.2.a.2	**Compliance Demonstration** To demonstrate compliance with the emission limitations above, the owner/operator shall perform stack testing on the emissions unit according to the stack testing conditions contained in this AO. [R307-165-2, R307-401-8]
II.B.2.a.3	**Test Frequency** The owner/operator shall conduct a stack test on each emissions unit within three (3) years or 8,760 hours of operation, whichever occurs first, following the date of the most recent stack test for that unit. The Director may require the owner/operator to perform a stack test at any time. [40 CFR 60 Subpart JJJJ, R307-165-2, R307-401-8]
II.B.2.b	**The owner/operator shall conduct any stack testing required by this AO according to the following conditions**. [R307-401-8]
II.B.2.b.1	**Notification** At least 30 days prior to conducting a stack test, the owner/operator shall submit a source test protocol to the Director. The source test protocol shall include the items contained in R307-165-3. If directed by the Director, the owner/operator shall attend a pretest conference. [R307-165-3, R307-401-8]
II.B.2.b.2	**Testing & Test Conditions** The owner/operator shall conduct testing according to the approved source test protocol and according to the test conditions contained in R307-165-4. [R307-165-4, R307-401-8]
II.B.2.b.3	**Access** The owner/operator shall provide Occupational Safety and Health Administration (OSHA)- or Mine Safety and Health Administration (MSHA)-approved access to the test location. [R307-401-8]
II.B.2.b.4	**Reporting** No later than 60 days after completing a stack test, the owner/operator shall submit a written report of the results from the stack testing to the Director. The report shall include validated results and supporting information. [R307-165-5, R307-401-8]
II.B.2.b.5	**Possible Rejection of Test Results** The Director may reject stack testing results if the test did not follow the approved source test protocol or for a reason specified in R307-165-6. [R307-165-6, R307-401-8]
II.B.2.b.6	**Test Methods** When performing stack testing, the owner/operator shall use the appropriate EPA-approved test methods as acceptable to the Director. Acceptable test methods for pollutants are listed below. [R307-401-8]
II.B.2.c	**Standard Conditions** A. Temperature - 68 degrees Fahrenheit (293 K) B. Pressure - 29.92 in Hg (101.3 kPa) C. Averaging Time - As specified in the applicable test method. [40 CFR 60 Subpart A, 40 CFR 63 Subpart A, R307-401-8]

II.B.2.c.1	**NO_x** 40 CFR 60, Appendix A, Method 7; Method 7E; or other EPA-approved testing method as acceptable to the Director. [R307-401-8]
II.B.2.c.2	**CO** 40 CFR 60, Appendix A, Method 10, or other EPA-approved testing method as acceptable to the Director. [R307-401-8]
II.B.2.c.3	**VOC** 40 CFR 60, Appendix A, Method 18; Method 25; Method 25A; 40 CFR 63, Appendix A, Method 320; or other EPA-approved testing method as acceptable to the Director. [R307-401-8]
II.B.3	**Diesel-Fired Emergency Generator Engine Requirements**
II.B.3.a	The owner/operator shall not allow visible emissions from each diesel-fired emergency generator engine onsite to exceed 20% opacity. [R307-201-3, 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 no more than five (5) emergency generators at the same time for non-emergency purposes. [R307-401-8]
II.B.3.c	The owner/operator shall ensure all diesel-fired emergency generator engines onsite meet the Tier 2 standards. [R307-401-8]
II.B.3.c.1	The owner/operator shall keep records demonstrating that all diesel-fired generator engines onsite meet the Tier 2 standards. These records shall be kept onsite for the lifetime of the equipment. [R307-401-8]
II.B.3.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.3.e	The owner/operator shall not operate each emergency engine onsite 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 63 Subpart ZZZZ, R307-401-8]
II.B.3.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.3.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 63 Subpart ZZZZ, R307-401-8]
II.B.3.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.3.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.3.f.1	The owner/operator shall only combust diesel fuel that meets the definition of ULSD in 40 CFR 1090.305, which has a sulfur content of 15 ppm or less. [R307-401-8]
II.B.3.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.4	**Boiler Chiller Requirements**
II.B.4.a	The owner/operator shall not allow visible emissions from each boiler chiller onsite to exceed 10% opacity. [R307-401-8]
II.B.4.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.4.b	The owner/operator shall operate each boiler chiller in accordance with the manufacturer's operational and maintenance guidelines. [R307-401-8]
II.B.4.c	The owner/operator shall use only natural gas as fuel in all boilers onsite. [R307-401-8]
II.B.4.d	The owner/operator shall install and operate an ultra-low NO_x burner on each boiler that is certified by the manufacturer to emit 9 ppm or less of NO_x and 40 ppm or less of CO at a 3% volume stack gas oxygen on a dry basis. [R307-316, R307-401-8]
II.B.4.d.1	The owner/operator shall keep the manufacturer certification for the ultra-low NO_x burners onsite. [R307-401-8]
II.B.4.e	The owner/operator shall not exceed a combined total natural gas heat input of 131.2 MMBtu per hour from all boilers onsite per 1-hour block average period. [R307-401-8]
II.B.4.e.1	The owner/operator shall: A. Determine combined natural gas heat input utilizing dedicated fuel flow meters located at the natural gas supply line of each individual boiler burner and the higher heating value (HHV) of the natural gas B. Record natural gas consumption and calculated natural gas heat input for all boilers onsite on an hourly basis C. Use the natural gas flow and heating value data to calculate the combined 1-hour block average natural gas heat input for all boilers onsite at the conclusion of each hour D. Keep the natural gas flow, heating value, and heat input calculation records for all periods the plant is in operation. [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 July 29, 2025
Incorporates	Additional Information dated August 21, 2025
Incorporates	Additional Information dated August 26, 2025
Incorporates	Additional Information dated September 18, 2025
Incorporates	Additional Information dated September 22, 2025
Incorporates	Additional Information dated October 21, 2025
Incorporates	Additional Information dated October 28, 2025
Incorporates	Additional Information dated November 25, 2025
Incorporates	Additional Information dated December 9, 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