State of Utah

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Governor

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Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-IN161890001-24

March 14, 2024

Ted Meinhold
Kinder Morgan Altamont LLC
1001 Louisiana Street, Suite 1000
Houston, TX 77002
erin_dunman@kindermorgan.com

Dear Mr. Meinhold:

Re: Intent to Approve: New Approval Order for the Hideout Compressor Station
Project Number: N161890001

The attached document is the Intent to Approve (ITA) for the above-referenced project. The ITA is subject to public review. Any comments received shall be considered before an Approval Order (AO) is issued. The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an AO. An invoice will follow upon issuance of the final AO.

Future correspondence on this ITA should include the engineer's name, **Tad Anderson,** as well as the DAQE number as shown on the upper right-hand corner of this letter. Tad Anderson, can be reached at (385) 306-6515 or tdanderson@utah.gov, if you have any questions.

Sincerely,

Jon L. Black
Jon Black (Mar 7, 2024 18:23 MST)

Jon L. Black, Manager
New Source Review Section

JLB:TA:jg

cc: TriCounty Health Department

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

INTENT TO APPROVE
DAQE-IN161890001-24
New Approval Order for the Hideout Compressor Station

Prepared By
Tad Anderson, Engineer
(385) 306-6515
tdanderson@utah.gov

Issued to
Kinder Morgan Altamont LLC - Hideout Compressor Station

Issued On
March 14, 2024

Jon Black (Mar 7, 2024 18:23 MST)

New Source Review Section Manager
Jon L. Black

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name
Kinder Morgan Altamont LLC

Source Name
Kinder Morgan Altamont LLC - Hideout Compressor Station

Mailing Address
1001 Louisiana Street, Suite 1000
Houston, TX 77002

Physical Address
4 Miles Northeast of Myton
Duchesne County, UT

Source Contact
Name: Erin Dunman
Phone: (303) 914-7605
Email: erin_dunman@kindermorgan.com

UTM Coordinates
585,094.62 m Easting
4,453,138.81 m Northing
Datum NAD27
UTM Zone 12

SIC code 1311 (Crude Petroleum & Natural Gas)

SOURCE INFORMATION

General Description
Kinder Morgan Altamont LLC (Kinder Morgan), has requested to construct and operate the new Hideout Compressor Station. The new Hideout Compressor Station will be designed to compress, treat, and dehydrate up to 100 MMscfd of natural gas and generate up to 260 bpd of condensate.

NSR Classification
New Minor Source

Source Classification
Located in , Uinta Basin O3 NAA
Duchesne County
Airs Source Size: SM

Applicable Federal Standards
NSPS (Part 60), A: General Provisions
NSPS (Part 60), JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
NSPS (Part 60), OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
NSPS (Part 60), OOOOb: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After November 15, 2021
MACT (Part 63), A: General Provisions
MACT (Part 63), HH: National Emission Standards for Hazardous Air Pollutants From Oil and

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

Project Description
Kinder Morgan has requested to construct and operate the new Hideout Compressor Station. The new Hideout compressor station consists of ten (10) compressor engines, a heater/boiler, a stabilizer heater, a TEG dehydration unit (still vent and flash tank), two (2) combustors, a flare, six (6) condensate tanks, a truck loading station, and five (5) process tanks. All equipment located at the Hideout Compressor Station will be operated on pipeline-quality natural gas, except for the gas recovered from the TEG dehydration flash tank.

The Hideout Compressor Station's primary function will be to compress and dehydrate field gas, as well as boost pipeline gas. The low-pressure inlet stream will consist of natural gas from the Altamont field entering the facility through a pipeline.

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	107120.00	107120.00
Carbon Monoxide	96.89	96.89
Nitrogen Oxides	67.15	67.15
Particulate Matter - PM_{10}	9.41	9.41
Particulate Matter - $PM_{2.5}$	9.41	9.41
Sulfur Oxides	0.40	0.40
Volatile Organic Compounds	94.24	94.24

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
2,2,4-Trimethylpentane (CAS #540841)	60	60
Acrolein (CAS #107028)	360	360
Benzene (Including Benzene From Gasoline) (CAS #71432)	1020	1020
Ethyl Benzene (CAS #100414)	2	2
Formaldehyde (CAS #50000)	7280	7280
Hexane (CAS #110543)	7220	7220
Methanol (CAS #67561)	420	420
Toluene (CAS #108883)	240	240
Xylenes (Isomers And Mixture) (CAS #1330207)	40	40
	Change (TPY)	**Total (TPY)**
Total HAPs	8.32	8.32

PUBLIC NOTICE STATEMENT

The NOI for the above-referenced project has been evaluated and has been found to be consistent with the requirements of UAC R307. Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an AO by the Director.

A 30-day public comment period will be held in accordance with UAC R307-401-7. A notification of the intent to approve will be published in the Vernal Express on March 20, 2024. During the public comment period the proposal and the evaluation of its impact on air quality will be available for the public to review and provide comment. If anyone so requests a public hearing within 15 days of publication, it will be held in accordance with UAC R307-401-7. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated. The proposed conditions of the AO may be changed as a result of the comments received.

SECTION I: GENERAL PROVISIONS

The intent is to issue an air quality AO authorizing the project with the following recommended conditions and that failure to comply with any of the conditions may constitute a violation of the AO.

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

The intent is to issue an air quality AO authorizing the project with the following recommended conditions and that failure to comply with any of the conditions may constitute a violation of the AO.

II.A THE APPROVED EQUIPMENT

II.A.1	**Hideout Compressor Station** Natural Gas Compressor Station
II.A.2	**RICE-1 through 10** Natural Gas Fired IC Engine, 4SRB Capacity: 1,900 hp Control: Non-selective catalytic reduction catalyst, Air-fuel-ratio controller Federal Applicable: 40 CFR 60 Subpart JJJJ
II.A.3	**DEHY** TEG Dehydration Unit Process Vents Capacity: 45 MMscf/day
II.A.4	**H-1** Natural Gas Fired Heater/Reboiler Capacity: 1.5 MMBtu/hr
II.A.5	**H-2** Natural Gas Fired Heater Stabilizer Capacity: 1.5 MMBtu/hr
II.A.6	**COM-1** Enclosed Combustor Capacity: Control: All Tanks Federal Applicable: 40 CFR 60, Subpart A
II.A.7	**COM-2** Enclosed Combustor Control: BTEX unit Federal Applicable: 40CFR 60, Subpart A
II.A.8	**T-1 through 6** Condensate Storage Tanks One (1) Gunbarrel tank Capacity: 16,800 gallons Five (5) condensate tanks Capacity: 16,800 gallons each

II.A.9	**MT-Tank** Methanol Storage Tank Capacity: 16,800 gallons
II.A.10	**MIS-Tanks** Miscellaneous Storage Tanks Contents: lube oil, used oil, antifreeze
II.A.11	**TRK-1** Truck Loading
II.A.12	**FUG-1** Fugitive Emissions Component Leaks, compressor blow down events, pigging

SECTION II: SPECIAL PROVISIONS

The intent is to issue an air quality AO authorizing the project with the following recommended conditions and that failure to comply with any of the conditions may constitute a violation of the AO.

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	**Site Wide Requirements**
II.B.1.a	Visible emissions from the following emission points shall not exceed the following values: A. All-natural gas operated equipment and tanks - 10% opacity B. All other points - 20% opacity. [R307-401-8]
II.B.1.a.1	Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-401-8]
II.B.1.b	The following production limits shall not exceed 100 million standard dry cubic feet of processed natural gas per day. [R307-401-8]
II.B.1.b.1	To determine compliance with a rolling 12-month total, the owner/operator shall calculate a new 12-month total by the twentieth day of each month using data from the previous 12 months. Records of production shall be kept for all periods when the plant is in operation. Production shall be determined by gas flow meters for natural gas and hours of operation. The records of processing and production shall be kept on a daily basis. Hours of operation shall be determined by supervisor monitoring and maintaining of an operations log. [R307-401-8]
II.B.1.c	All emissions from the Dehydration unit (DEHY) must be routed to either Combustors (COM-1 or COM-2). [R307-401-8]

II.B.2	**Engine Testing Requirements**
II.B.2.a	The owner/operator shall not emit more than the following rates and concentrations from the indicated emissions unit(s): Source: RICE-1 through RICE-10 **Pollutant** **lb/hr** NOX 1.26(each) CO 1.27(each) VOC 1.26(each). [R307-401-8]
II.B.2.a.1	Standard Conditions & Emission Limit Parameters: A. Temperature - 68 degrees Fahrenheit (293 K) B. Pressure - 29.92 in Hg (101.3 kPa) C. Concentration (ppmdv) - 3% oxygen, dry basis D. Averaging Time - As specified in the applicable test method. [R307-401-8]
II.B.2.a.2	Initial Test The owner/operator shall conduct an initial emission test within 180 days after startup. [R307-401-8]
II.B.2.a.3	Test Frequency The owner/operator shall conduct subsequent emission tests within three (3) years or 8,760 hours of operation after the date of the most recent emission test. The Director may require the owner/operator to perform an emission test at any time. [R307-401-8]
II.B.2.a.4	Notification At least 30 days prior to conducting an emission test, the owner/operator shall submit a source test protocol to the Director. The source test protocol shall include: A. The date, time, and place of the proposed test B. The proposed test methodologies C. The stack to be tested D. The procedures to be used E. Any deviation from an EPA-approved test method F. Explanation of any deviation from an EPA-approved test method. If directed by the Director, the owner/operator shall attend a pretest conference. [R307-401-8]
II.B.2.a.5	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.a.6	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.a.7	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	**Combustors and Flare Requirements**
II.B.3.a	All combustors and flare shall operate with a continuous pilot flame and be equipped with an auto-igniter. [R307-401-8]
II.B.3.b	All combustors and flare shall operate with no visible emissions. [R307-401-8]
II.B.3.b.1	Visual determination of emissions from each combustor and flare shall be conducted according to 40 CFR 60, Appendix A, Method 22. [R307-401-8]
II.B.4	**Condensate Storage Tank Requirements**
II.B.4.a	The owner/operator shall not produce more than 94,900 barrels (1 barrel = 42 gallons) of condensate per rolling 12-month period from the Hideout Compressor Station. [R307-401-8]
II.B.4.a.1	The owner/operator shall: A. Determine condensate production with process flow meters and/or sales records B. Record condensate production on a daily basis C. Calculate a new 12-month total by the 20th day of each month using data from the previous 12 months D. Keep the production records for all periods the plant is in operation. [R307-401-8]
II.B.4.b	All emissions from the Condensate Storage Tanks (T-1 thru T-6) must be routed to either Combustors (COM-1 or COM-2). [R307-401-8]
II.B.5	**Truck Loading Requirements**
II.B.5.a	The owner/operator shall load the tanker trucks on site by the use of submerged loading. [R307-401-8]
II.B.5.b	The owner/operator shall connect a vapor capture line to the operating combustor for use during on-site condensate truck loading operations at the Hideout Compressor Station. The vapor capture line shall be used at all times during loading operations. [R307-401-8]
II.B.6	**Fugitive Emissions Requirements**
II.B.6.a	The Hideout Compressor Station is subject to the LDAR requirements in 40 CFR 60 Subpart OOOOa and OOOOb. [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 December 22, 2023

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