State of Utah

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Department of
Environmental Quality

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DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-IN161780001-24

March 18, 2024

William Kaiser
Savage Services Corporation
901 West Legacy Center Way
Midvale, UT 84047
WilliamKaiser@savageservices.com

Dear Mr. Kaiser:

Re: Intent to Approve: New Price Crude Oil Transloading Facility
Project Number: N161780001

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, **Christine Bodell,** as well as the DAQE number as shown on the upper right-hand corner of this letter. Christine Bodell, can be reached at (385) 290-2690 or cbodell@utah.gov, if you have any questions.

Sincerely,

Alan D. Humpherys, Manager
New Source Review Section

ADH:CB:jg

cc: Southeastern Utah District Health Department

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

INTENT TO APPROVE
DAQE-IN161780001-24
New Price Crude Oil Transloading Facility

Prepared By
Christine Bodell, Engineer
(385) 290-2690
cbodell@utah.gov

Issued to
Savage Services Corporation - Price Crude Transloading Facility

Issued On
March 18, 2024

New Source Review Section Manager
Alan D. Humpherys

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name
Savage Services Corporation

Source Name
Savage Services Corporation - Price Crude Transloading Facility

Mailing Address
901 West Legacy Center Way
Midvale, UT 84047

Physical Address
Remote 2 Miles West of Wellington
Carbon County, UT

Source Contact
Name: William Kaiser
Phone: (801) 424-7272
Email: WilliamKaiser@savageservices.com

UTM Coordinates
519,386 m Easting
4,377,987 m Northing
Datum NAD83
UTM Zone 12

SIC code 5171 (Petroleum Bulk Stations & Terminals)

SOURCE INFORMATION

General Description
Savage Services Corporation (Savage) conducts transloading operations between railcars and trucks for heavy crude oil. The heavy crude oil is transferred from tanker trucks to rail cars using eight (8) liquid transfer lines. Two (2) propane-fired, 14.3 MMBtu/hr boilers heat the heavy crude oil for transfer. No crude oil is stored on site. The facility transfers up to 10,950,000 barrels (1 barrel = 42 gallons) of heavy crude oil per year.

NSR Classification
New Minor Source

Source Classification
Located in Attainment Area
Carbon 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

Project Description
Savage has requested a new Approval Order (AO) for the Savage Price Transloading Facility located in Carbon County.

Heavy crude oil will be transferred from trucks into rail cars using liquid transfer lines and associated hoses, pumps, valves, flanges, gauges, connections, and fittings. Two (2) propane-fired boilers, each rated at 14.3 MMBtu/hr, are used to heat crude oil to aid in its transfer between vessels. The requested throughput is 10,950,000 barrels of crude oil per year.

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		17046.00
Carbon Monoxide		10.52
Nitrogen Oxides		1.88
Particulate Matter - PM_{10}		17.86
Particulate Matter - $PM_{2.5}$		2.64
Sulfur Dioxide		0.08
Volatile Organic Compounds		7.01

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Benzene (Including Benzene From Gasoline) (CAS #71432)		40
Formaldehyde (CAS #50000)		20
Hexane (CAS #110543)		1300
Toluene (CAS #108883)		20
	Change (TPY)	**Total (TPY)**
Total HAPs		0.69

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 ETV News (Emery Telcom) 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 comments. 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	**Price Transloading Facility**

II.A.2	**Eight (8) Crude Oil Transfer Lines** Includes vapor balance lines
II.A.3	**Two (2) Boilers** Rating: 14.3 MMBut/hr, each Fuel: Propane NSPS Applicability: Subpart Dc
II.A.4	**Two (2) Pressurized Fuel Storage Tanks** Fuel: Liquid Propane Capacity: 60,000 gallons, each

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	Unless otherwise specified in this AO, the owner/operator shall not allow visible emissions 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, Method 9. [R307-401-8]
II.B.2	**Liquid Loading Requirements**
II.B.2.a	The owner/operator shall not transload more than 10,950,000 barrels (1 barrel = 42 gallons) of crude oil per rolling 12-month period. [R307-401-8]
II.B.2.a.1	The owner/operator shall: A. Determine the crude oil throughput with process flow meters and/or sales records. B. Record crude oil throughput on a daily basis. C. Use the monthly throughput data to calculate a new 12-month total by the 20th day of each month using data from the previous 12 months. D. Keep the throughput records for all periods the plant is in operation. [R307-401-8]
II.B.2.b	The owner/operator shall only load the crude oil to the rail cars on site directly from the tanker trucks. [R307-401-8]
II.B.2.c	The owner/operator shall load the rail cars on site by the use of bottom filling or a submerged fill pipe. [R307-401-8]
II.B.2.d	The owner/operator shall transload the crude oil from the tanker trucks to the railcars using a vapor balance system. [R307-401-8]

II.B.2.e	The owner/operator shall only transload the crude oil to rail cars that are certified for the NSPS level annual leak test. [R307-401-8]
II.B.2.e.1	To determine compliance with the above condition, the owner/operator shall maintain records of annual leak test certifications. [R307-401-8]
II.B.3	**Boiler Requirements**
II.B.3.a	The owner/operator shall use only propane and/or natural gas as fuel in the boilers. [R307-401-8]
II.B.3.b	The owner/operator shall install boilers that each have an ultra-low NO_x burner certified by the manufacturer to emit less than 9 ppm NO_x. [R307-401-8]
II.B.3.b.1	The owner/operator shall keep the manufacturer certification for the ultra-low NO_x burners on site as long as the boilers are in operation. [R307-401-8]
II.B.4	**Haul Road and Fugitive Dust Requirements**
II.B.4.a	The owner/operator shall not allow visible emissions from haul roads and fugitive dust sources on site to exceed 20% opacity. [R307-401-8]
II.B.4.a.1	Opacity observations of fugitive dust from intermittent sources shall be conducted according to 40 CFR 60, Appendix A, Method 9; however, the requirement for observations to be made at 15-second intervals over a six-minute period shall not apply. The number of observations and the time period shall be determined by the length of the intermittent source. For fugitive dust generated by mobile sources, visible emissions shall be measured at the densest point of the plume but at a point not less than one-half vehicle length behind the vehicle and not less than one-half the height of the vehicle. [R307-401-8]
II.B.4.b	The owner/operator shall cover all unpaved haul roads and wheeled-vehicle operational areas with road base material. The owner/operator shall use chemical suppressant and water application to maintain opacity limits listed in this AO. If the temperature is below freezing, the owner/operator may stop applying chemical suppressant and water to the unpaved haul roads and wheeled-vehicle operational areas. The owner/operator shall resume applying chemical suppressant and water to the unpaved haul roads and wheeled-vehicle operational areas when the temperature is above freezing. [R307-401-8]
II.B.4.b.1	Records of chemical suppressant and water application shall be kept for all periods when the plant is in operation. The records shall include the following items: A. Date and time treatments were made. B. Number of treatments made, quantity of water applied, and chemical dilution ratio used. C. Rainfall amount received, if any. D. Records of temperature, if the temperature is below freezing. [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 September 22, 2023
Incorporates	Additional Information dated November 30, 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