



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

RN159530003

September 28, 2026

Megan Winter
Morgan Asphalt, Inc. dba Knife River Corporation
7620 West Hwy 201
Magna, UT 84044
Megan.Winter@kniferiver.com

Dear Megan Winter,

Re: Engineer Review: Minor Modification to AO DAQE-AN159530001-22 to Add One Crusher,
Add One Screen, and Replace Two Screens
Project Number: N159530003

The DAQ requests a company representative review and sign the attached Engineer Review (ER). This ER identifies all applicable elements of the New Source Review permitting program. Morgan Asphalt, Inc. dba Knife River Corporation should complete this review within **10 business days** of receipt.

Morgan Asphalt, Inc. dba Knife River Corporation should contact **Lucia Mason** at (385) 707-7669 if there are questions or concerns with the review of the draft permit conditions. Upon resolution of your concerns, please email **Lucia Mason** at **lbmason@utah.gov** the signed cover letter. Upon receipt of the signed cover letter, the DAQ will prepare an ITA for a 30-day public comment period. At the completion of the comment period, the DAQ will address any comments and will prepare an Approval Order (AO) for signature by the DAQ Director.

If Morgan Asphalt, Inc. dba Knife River Corporation does not respond to this letter within **10 business days**, the project will move forward without source concurrence. If Morgan Asphalt, Inc. dba Knife River Corporation has concerns that cannot be resolved and the project becomes stagnant, the DAQ Director may issue an Order prohibiting construction.

Approval Signature Megan Winter 9/28/2026
(Signature & Date)



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Approval Signature _____
(Signature & Date)

UTAH DIVISION OF AIR QUALITY

ENGINEER REVIEW

SOURCE INFORMATION

Project Number	N159530003
Owner Name	Morgan Asphalt, Inc. dba Knife River Corporation
Mailing Address	7620 West Hwy 201 Magna, UT, 84044
Source Name	Morgan Asphalt, Inc. dba Knife River Corporation - Grantsville Pit
Source Location	Approximately 5 miles northwest of Grantsville on US 138 Grantsville, UT
UTM Projection	369,000 m Easting, 4,501,600 m Northing
UTM Datum	NAD83
UTM Zone	UTM Zone 12
SIC Code	1442 (Construction Sand & Gravel)
Source Contact	Megan Winter
Phone Number	(503) 890-9746
Email	Megan.Winter@kniferiver.com
Billing Contact	Megan Winter
Phone Number	(503) 890-9746
Email	Megan.Winter@kniferiver.com
Project Engineer	Lucia Mason, Engineer
Phone Number	(385) 707-7669
Email	lbmason@utah.gov
Notice of Intent (NOI) Submitted	July 29, 2026
Date of Accepted Application	September 24, 2026

SOURCE DESCRIPTION

General Description

Morgan Asphalt, Inc dba Knife River Corporation (Morgan Asphalt) operates the Grantsville Pit in Tooele County. Equipment at the facility includes crushers, screens, conveyors, off-highway mobile equipment, and a wash plant. Aggregate is crushed, screened, washed, and stored before being trucked off site. The facility can produce up to 650,000 tons of finished aggregate products per year.

NSR Classification:

New Minor Source

Source Classification

Located in Salt Lake City UT PM_{2.5} Maintenance Area, Northern Wasatch Front O₃ NAA
Tooele County
Airs Source Size: B

Applicable Federal Standards

NSPS (Part 60), A: General Provisions

NSPS (Part 60), OOO: Standards of Performance for Nonmetallic Mineral Processing Plants

Title V (Part 70) Area Source

Project Proposal

Minor Modification to AO DAQE-AN159530001-22 to Add One Crusher, Add One Screen, and Replace Two Screens

Project Description

Morgan Asphalt has requested the following changes to AO DAQE-AN159530001-22 dated November 16, 2022. The equipment will be added to "Operation 2."

- Add one tertiary impact crusher with a capacity of 200 tons per hour (tph)
- Add one tertiary 8' x 20' screen
- Replace one 7' x 20' secondary screen with one 8' x 20' secondary screen
- Replace one 7' x 20' tertiary screen with one 8' x 20' tertiary screen

EMISSION IMPACT ANALYSIS

The increases in PM_{2.5} and PM₁₀ emissions are below the thresholds listed in R307-410-4. No other pollutants are emitted at the facility. Therefore, no modeling is required. [Last updated August 20, 2026]

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)
Particulate Matter - PM ₁₀	0.46	26.74
Particulate Matter - PM _{2.5}	0.06	3.65

Note: Change in emissions indicates the difference between previous AO and proposed modification.

Review of BACT for New/Modified Emission Units

1. BACT review regarding minor modification

Aggregate Processing Equipment (Crushers, Screens, Conveyor Transfer Points)

Morgan Asphalt will add the following aggregate processing equipment: one crusher, one screen, and three conveyor transfer points. Morgan Asphalt will also replace two 7' x 20' screens with 8' x 20' screens. The screen replacements do not impact annual emissions but have been included in the BACT analysis due to the increase in screening surface area. Aggregate processing equipment produces particulate emissions by breaking and sorting rock and dust.

Available particulate control technology for aggregate processing equipment includes:

1. Enclosures (total enclosure ~100% control)
2. Baghouses/ fabric filters (up to 99.9% control)
3. Electrostatic precipitators (ESP) (up to 99.9% control)
4. Wet scrubbers (~95% control)
5. Cyclones (20%-70% PM_{2.5} and 60%-95% PM₁₀ control)
6. Water suppression (~75% control)

The source has proposed water suppression on aggregate processing equipment as BACT. PM₁₀ emissions from the new equipment sums to less than 1 tpy. Given the small amount of particulate emissions produced by the equipment, enclosures, baghouses, cyclones, ESP, and wet scrubbers are not considered cost effective. **Thus, BACT for aggregate processing equipment is considered water suppression to maintain the opacity limits listed below in accordance with 40 CFR 60 Subpart OOO, UAC R307-312, and UAC R307-309. The source will implement BACT by operating permanently installed water sprays on the new aggregate processing equipment.**

Opacity limits:

Crushers - 12%

Screens - 7%

Conveyor transfer points - 7%

[Last updated September 28, 2026]

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. **(New or Modified conditions are indicated as “New” in the Outline Label):**

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 two 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. (New or Modified conditions are indicated as “New” in the Outline Label):

II.A THE APPROVED EQUIPMENT

II.A.1	Grantsville Pit
II.A.2	Crushing and Screening Operation 1 Equipment:
II.A.3	One Primary Crusher Capacity: 400 tph Type: Jaw NSPS Applicability: Subpart OOO
II.A.4	One Primary Screen Size: 8' x 20' NSPS Applicability: Subpart OOO
II.A.5	One Secondary Crusher Capacity: 300 tph Type: Cone NSPS Applicability: Subpart OOO
II.A.6	Conveyors NSPS Applicability: Subpart OOO
II.A.7	Crushing and Screening Operation 2 Equipment:
II.A.8	One Tertiary Crusher Capacity: 400 tph Type: Cone NSPS Applicability: Subpart OOO
II.A.9 NEW	One Tertiary Crusher (NEW) Capacity: 200 tph Type: Impact Manufacture Year: 2022 NSPS Applicability: Subpart OOO
II.A.10	One Secondary Screen (NEW) Size 8' x 20' Manufacture Year: 2022 NSPS Applicability: Subpart OOO

II.A.11	Two Tertiary Screens (NEW) Size: 8' x 20' Manufacture Year: 2024 NSPS Applicability: Subpart OOO
II.A.12	Conveyors NSPS Applicability: Subpart OOO
II.A.13	One (1) Wash Plant
II.A.14	One (1) Tunnel Feeder
II.A.15	Conveyors
II.A.16	Off-Highway Mobile Equipment Including loaders, bulldozers, etc. <i>- Listed for informational purposes only. -</i>

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. (New or Modified conditions are indicated as “New” in the Outline Label):

II.B REQUIREMENTS AND LIMITATIONS

II.B.1 NEW	Site-Wide Requirements
II.B.1.a	Unless otherwise specified in this AO, the owner/operator shall not allow visible emissions from any source on site to exceed 20% opacity. [R307-201-3, R307-401-8]
II.B.1.a.1	Unless otherwise specified in this AO, opacity observations of visible emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-401-8]
II.B.2	Aggregate Pit Requirements
II.B.2.a	The owner/operator shall not produce more than 650,000 tons of finished aggregate products per rolling 12-month period. [R307-401-8]
II.B.2.a.1 NEW	To determine compliance with the aggregate production limit, the owner/operator shall: A. Determine production with belt scale records or scale house records B. Record production on a daily basis C. Use the production data to calculate a new rolling 12-month total by the 20th day of each month using the data from the previous 12 months D. Keep the production records for all periods the plant is in operation. [R307-401-8]
II.B.2.b NEW	The owner/operator shall not allow visible emissions from the following emission points to exceed the values listed below: A. Crushers - 12% opacity B. Screens - 7% opacity C. All Conveyor Transfer Points - 7% opacity D. All Conveyor Drop Points - 20% opacity. [R307-312, R307-401-8]
II.B.2.c NEW	The owner/operator shall install water sprays on all crushers and all stacker drop points that transfer material onto a stockpile. The owner/operator shall apply water to ensure that visible emissions from crushers, screens, and conveyor transfer/drop points shall not exceed the opacity limits listed in this AO. [R307-401-8]

II.B.2.d NEW	The owner/operator shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles associated with each crusher, screen, and conveyor. If the owner/operator finds that water is not flowing properly during an inspection of the water spray nozzles, the owner/operator shall initiate corrective action within 24 hours and complete corrective action as expediently as practical. [40 CFR 60 Subpart OOO, R307-401-8]
II.B.2.d.1 NEW	The owner/operator shall maintain records of the water spray inspections in a logbook for all periods when the plant is in operation. The records shall include the following items: A. Date the inspections were made B. Any corrective actions taken C. Control mechanism used if sprays are not operating. [40 CFR 60 Subpart OOO, R307-401-8]
II.B.3 NEW	Crushers, Screens, and Conveyors subject to NSPS Subpart OOO Requirements
II.B.3.a NEW	The owner/operator shall conduct an initial performance test for all new crushers, screens, and conveyor transfer points subject to NSPS Subpart OOO. Performance tests shall meet the limitations specified in Table 3 to Subpart OOO. [40 CFR 60 Subpart OOO]
II.B.3.a.1	Initial performance tests for fugitive emissions limits shall be conducted according to 40 CFR 60.675(c). The owner or operator may use methods and procedures specified in 40 CFR 60.675(e) as alternatives to the reference methods and procedures specified in 40 CFR 60.675(c). [40 CFR 60 Subpart OOO]
II.B.3.a.2	The owner/operator shall keep and maintain records of the initial performance test for each crusher, screen, and conveyor for the life of the equipment. The record of the initial performance test must be made available to the Director or the Director's representative upon request. [40 CFR 60 Subpart OOO]
II.B.4 NEW	Haul Roads and Fugitive Dust Source Requirements
II.B.4.a NEW	The owner/operator shall not allow the unpaved haul roads to exceed a total of 1.28 miles (6,758 ft) on site. The owner/operator shall pave at least 0.09 miles (475 ft) of haul road on site. [R307-401-8]
II.B.4.a.1 NEW	To determine compliance with the haul road limitations, the owner/operator shall measure the total length of haul roads using aerial photographs, land surveys, on-site measurements, or other methods acceptable to the Director. The measurements shall be conducted at least once every six months. [R307-401-8]

II.B.4.a.2 NEW	The owner/operator shall maintain a record of the total length of paved and unpaved haul roads. Records of the total length of haul roads shall contain the following: A. Date of measurements B. Length of each section of haul road C. Total length of each of the paved and unpaved haul roads. [R307-401-8]
II.B.4.b NEW	The owner/operator shall not allow visible emissions from haul roads and fugitive dust sources to exceed 20% opacity on site and 10% opacity at the property boundary at all times. [R307-309-5]
II.B.4.b.1 NEW	Visible emission determinations for fugitive dust from haul roads and operational areas shall use procedures similar to Method 9. The normal requirement for observations to be made at 15-second intervals over a six-minute period, however, shall not apply. Visible emissions shall be measured at the densest point of the plume but at a point not less than 1/2 vehicle length behind the vehicle and not less than 1/2 the height of the vehicle. [R307-309-5]
II.B.4.c NEW	The owner/operator shall use water sprays and chemical treatment on the unpaved haul roads and loader operation areas to maintain the opacity limit listed in the AO. The owner/operator shall use water application and sweep paved haul roads to maintain the opacity limit listed in the AO. The owner/operator may stop applying water sprays to fugitive dust sources when the temperature is below freezing but shall apply other controls as necessary to prevent visible emissions from exceeding the opacity limits listed in the AO. [R307-401-8]
II.B.4.c.1 NEW	The owner/operator shall maintain records of water and chemical treatment and sweeping operations for all periods when the plant is in operation. The records shall include the following items: A. Date of treatment B. Number of treatments made, dilution ratio, and quantity C. Rainfall received, if any, and approximate amount D. Time of day treatments were made E. Records of temperature if the temperature is below freezing. [R307-401-8]
II.B.4.d NEW	The owner/operator shall not exceed 2.47 acres combined of all storage piles on site. [R307-401-8]

II.B.4.d.1 NEW	To determine compliance with the total storage pile area limit, the owner/operator shall measure the total area of the storage piles at least once every six months and shall maintain a record of the total acres of the storage piles. To determine the acres of the storage piles on site, the owner/operator shall use a handheld GPS, or aerial photographs, or other methods acceptable to the Director, to measure each of the storage piles on site. [R307-401-8]
II.B.4.d.2 NEW	To determine compliance with the total storage pile area limit, the owner/operator shall keep the following records: A. Date of measurements B. Size of each storage pile on site C. Total acres of all storage piles combined. [R307-401-8]
II.B.4.e NEW	The owner/operator shall apply water to all storage piles on site to control fugitive emissions. Water shall be applied as required to maintain the opacity limit listed in this AO when the temperature is above freezing. [R307-401-8]
II.B.4.f NEW	The owner/operator shall not exceed 50 acres combined of all disturbed areas on site. [R307-401-8]
II.B.4.f.1 NEW	To determine compliance with the total disturbed area limit, the owner/operator shall measure the total disturbed areas at least once every six months. To determine the acres of the disturbed areas onsite, the owner/operator shall use a handheld GPS, or aerial photographs, or other methods acceptable to the Director, to measure each of the disturbed areas on site. [R307-401-8]
II.B.4.f.2 NEW	To determine compliance with the total disturbed area limit the owner/operator shall keep the following records: A. Date of measurements B. Size of each disturbed area on site C. Total acres of all disturbed areas combined. [R307-401-8]
II.B.4.g NEW	The owner/operator shall comply with UAC R307-309. Nonattainment and Maintenance Areas for PM ₁₀ and PM _{2.5} : Fugitive Emissions and Fugitive Dust. [R307-309]
II.B.4.g.1 NEW	The owner/operator shall comply with the FDCP for control of all fugitive dust sources associated with this source. [R307-309-6]
II.B.5	Bulldozing Operation Requirements
II.B.5.a	The owner/operator shall not allow the combined operations of bulldozers to exceed 7,665 hours per rolling 12-month period. [R307-401-8]

II.B.5.a.1 NEW	To determine compliance with the bulldozing operational time limit the owner/operator shall: A. Determine hours of bulldozer operation by monitoring and maintaining an operations log B. Record bulldozer hours of operation each day C. Use the hours of operation to calculate a new rolling 12-month total by the 20th day of each month using data from the previous 12 months D. Keep hours of operation records for all periods the plant is in operation. [R307-401-8]
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PERMIT HISTORY

When issued, the approval order shall supersede (if a modification) or will be based on the following documents:

Supersedes	AO DAQE-AN159530001-22 dated November 16, 2022
Is Derived From	NOI dated July 29, 2026
Incorporates	Additional Information dated August 18, 2026
Incorporates	Additional Information dated September 24, 2026

REVIEWER COMMENTS

1. **Comment regarding minor modification:**

Morgan Asphalt has requested the following changes to AO DAQE-AN159530001-22 dated November 16, 2022. The equipment will be added to "Operation 2."

- Add one tertiary impact crusher with a capacity of 200 tons per hour (tph)
- Add one tertiary 8' x 20' screen
- Replace one 7' x 20' secondary screen with one 8' x 20' secondary screen
- Replace one 7' x 20' tertiary screen with one 8' x 20' tertiary screen

Notable Administrative Updates:

All contact information has been updated.

Notable Emission Updates:

The facility PTE has been updated to include emissions from the new crusher and screen and the three new associated conveyor transfer points.

Notable Equipment Updates:

The Approved Equipment List has been updated to include the new crusher and screen. The Equipment IDs for the replaced screens have been updated according to the application request as well. The wash plant is now labeled as "one wash plant" instead of "wash plant #1" to maintain formatting consistency across the permit. There is only one wash plant at the facility.

Notable Condition Updates:

Some condition language has been updated to add clarity to the AO.

Condition II.B.4.g.1 - The requirement to submit a fugitive dust plan has been removed from the AO. The facility now has an operating fugitive dust plan.

[Last updated September 28, 2026]

2. **Comment regarding source calculations and DAQ acceptance:**

Aggregate Processing Equipment (Crushers, Screens, Conveyor Transfer Points)

PM₁₀, PM_{2.5}: AP-42 Table 11.19.2-2

[Last updated September 24, 2026]

3. **Comment regarding Federal Subpart Applicability:**
NSPS Subpart OOO: Standards of Performance for Nonmetallic Mineral Processing Plants.
NSPS Subpart OOO applies to facilities that commenced construction, modification, or reconstruction after August 31, 1983. All crushers, screens, and other aggregate processing equipment at the facility commenced construction, modification, or reconstruction after August 31, 1983. Therefore, Subpart OOO applies to all aggregate processing equipment at the facility.

[Last updated August 25, 2026]

4. **Comment regarding Title V applicability:**
Title V of the 1990 Clean Air Act (Title V) applies to the following:

1. Any major source
2. Any source subject to a standard, limitation, or other requirement under Section 111 of the Act, Standards of Performance for New Stationary Sources;
3. Any source subject to a standard or other requirement under Section 112 of the Act, Hazardous Air Pollutants.
4. Any Title IV affected source.

The equipment in this AO is not part of a major source or a Title IV source and is not subject to 40 CFR 61 or 63 requirements. However, the facility is subject to 40 CFR 60 Subparts A and OOO requirements. NSPS Subpart OOO does not exempt sources from the obligation to obtain a Title V permit. Therefore, Title V regulations apply to the facility as an area source.

[Last updated September 28, 2026]

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 EPA 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 - 40 CFR 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 UDAQ use
EPA	Environmental Protection Agency
FDCP	Fugitive dust control plan
GHG	Greenhouse Gas(es) - 40 CFR 52.21 (b)(49)(i)
GWP	Global Warming Potential - 40 CFR Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/HR	Pounds per hour
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



Lucia Mason <lbmason@utah.gov>

Request for Source Review of DAQ Approval Order, 15953 0003: Morgan Asphalt, Inc. dba Knife River Corporation - Grantsville Pit

7 messages

Lucia Mason <lbmason@utah.gov>

Mon, Sep 21, 2026 at 9:17 AM

To: "Winter, Megan" <Megan.Winter@kniferiver.com>

Hi Megan,

The DAQ has completed Morgan Asphalt, Inc's new Approval Order. Before it's issued you have ten days to review the document. Please respond with any questions or concerns by October 1. If you approve of the document, please return a signed copy of the cover page. The updated permit is attached.

Once you've returned a signed copy the AO will begin a 30 day public comment period prior to being issued.

Please reach out with any questions.

Best,

Lucia

**Department of
Environmental Quality**

Division of Air Quality

Lucia Mason

Minor NSR Environmental Engineer

(385) 707-7669

AirQuality.utah.gov**RN159530003.rtf**

1552K

Winter, Megan <Megan.Winter@kniferiver.com>

Wed, Sep 23, 2026 at 9:51 AM

To: Lucia Mason <lbmason@utah.gov>

Hi Lucia,

Under our permitted equipment II.A.9 our secondary screen is 8' X 20' and II.A.10 both tertiary screens are 8' X 20'. Could you correct those screen sizes?

Thank you,

Megan Winter

Sustainability Coordinator – Mountain Region



Office 208-562-5077 | Mobile 503-890-9746

From: Lucia Mason <lbmason@utah.gov>
Sent: Monday, September 21, 2026 9:18 AM
To: Winter, Megan <Megan.Winter@kniferiver.com>
Subject: Request for Source Review of DAQ Approval Order, 15953 0003: Morgan Asphalt, Inc. dba Knife River Corporation - Grantsville Pit

**** WARNING: EXTERNAL SENDER. NEVER click links or open attachments without positive sender verification of purpose. DO NOT provide your user ID or password on sites or forms linked from this email. ****

[Quoted text hidden]

Lucia Mason <lbmason@utah.gov>
To: "Winter, Megan" <Megan.Winter@kniferiver.com>

Thu, Sep 24, 2026 at 3:03 PM

Hi Megan,

Thanks for taking the time for a call today. I will document the screen replacements and send you an updated copy of the permit.

What are the manufacture years of the replacement screens in II.A.9 and II.A.10?

Best,

Lucia

[Quoted text hidden]

Winter, Megan <Megan.Winter@kniferiver.com>
To: Lucia Mason <lbmason@utah.gov>

Thu, Sep 24, 2026 at 3:15 PM

Hi Lucia,

The II.A.9 screen should be listed as 2022, and the II.A.10 should be listed as 2024.

[Quoted text hidden]

Lucia Mason <lbmason@utah.gov>
To: "Winter, Megan" <Megan.Winter@kniferiver.com>

Mon, Sep 28, 2026 at 11:34 AM

Hey Megan,

Thank you for the additional information. Attached is an updated version of the permit. Let me know if you have any additional comments or questions. If you approve of the document please return a signed copy of the cover page.

Thanks,

Lucia

[Quoted text hidden]



RN159530003.rtf
1556K

Winter, Megan <Megan.Winter@kniferiver.com>
To: Lucia Mason <lbmason@utah.gov>

Mon, Sep 28, 2026 at 11:52 AM

Hi Lucia,

Thank you for updating those screens. Please see the attached signed cover page.

[Quoted text hidden]



RN159530003.pdf
423K

Lucia Mason <lbmason@utah.gov>
To: "Winter, Megan" <Megan.Winter@kniferiver.com>

Mon, Sep 28, 2026 at 12:16 PM

Thank you Megan. I've sent the permit to be processed for public comment. If no public comments are received the permit will be issued in about a month and a half.

Feel free to reach out with questions.

Lucia

[Quoted text hidden]



Lucia Mason <lbmason@utah.gov>

**Request for Additional Information (Utah Division of Air Quality), 15953 0003:
Morgan Asphalt, Inc. dba Knife River Corporation - Grantsville Pit**

9 messages

Lucia Mason <lbmason@utah.gov>
To: Megan.Winter@kniferiver.com

Thu, Jul 30, 2026 at 5:06 PM

Hey Megan,

Thank you for your NOI submission on behalf of Morgan Asphalt, Inc. dba Knife River Corporation. I'll be the permit engineer processing your request.

Could you provide the Excel file you used for your emission calculations? After receiving your emission calculations I'll review your application in detail and reach out with any additional questions.

Feel free to reach out with any questions.

Thanks!

Lucia

**Department of
Environmental Quality**

Division of Air Quality

Lucia Mason

Minor NSR Environmental Engineer

(385) 707-7669

AirQuality.utah.gov

Winter, Megan <Megan.Winter@kniferiver.com>
To: Lucia Mason <lbmason@utah.gov>

Fri, Jul 31, 2026 at 12:35 PM

Hello Lucia,

Please see the attached Excel file for the emission calculations. Let me know if you need any additional information.

Thank you,

Megan Winter

Sustainability Coordinator – Mountain Region



Office 208-562-5077 | Mobile 503-890-9746

From: Lucia Mason <lbmason@utah.gov>

Sent: Thursday, July 30, 2026 5:06 PM

To: Winter, Megan <Megan.Winter@kniferiver.com>

Subject: Request for Additional Information (Utah Division of Air Quality), 15953 0003: Morgan Asphalt, Inc. dba Knife River Corporation - Grantsville Pit

You don't often get email from lbmason@utah.gov. [Learn why this is important](#)

**** WARNING: EXTERNAL SENDER. NEVER click links or open attachments without positive sender verification of purpose. DO NOT provide your user ID or password on sites or forms linked from this email. ****

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Utah Emissions.xlsx
57K

Lucia Mason <lbmason@utah.gov>

Mon, Aug 3, 2026 at 4:36 PM

To: "Winter, Megan" <Megan.Winter@kniferiver.com>

Hey Megan,

Thank you for the calculations!

It looks like the emission calculations you provided include existing crushers, screens, and conveyor transfer points in addition to the added equipment. Could you resubmit the emission calculations including only the crusher, screen, and conveyor transfer points being added via this modification?

Thanks!

Lucia

[Quoted text hidden]

Lucia Mason <lbmason@utah.gov>

Mon, Aug 3, 2026 at 4:41 PM

To: "Winter, Megan" <Megan.Winter@kniferiver.com>

Hi Megan,

Two more questions:

- Is the new equipment considered primary, secondary or tertiary?
- Morgan Asphalt's current AO lists some aggregate processing equipment under "Operation 1" and the rest under "Operation 2." Where will the new crusher and screen be located?

Feel free to reach out with any questions.

Thanks!

Lucia

[Quoted text hidden]

Winter, Megan <Megan.Winter@kniferiver.com>

Tue, Aug 11, 2026 at 9:00 AM

To: Lucia Mason <lbmason@utah.gov>

Hello Lucia,

The new equipment is tertiary and it will be added to Operation 2.

Attached are the emissions calculations for the new equipment and our signed application checklist.

Let me know if I can provide any additional information.

[Quoted text hidden]

2 attachments



Utah Emissions.xlsx

57K



Utah Application Checklist Signed.pdf

303K

Lucia Mason <lbmason@utah.gov>
To: "Winter, Megan" <Megan.Winter@kniferiver.com>

Thu, Aug 13, 2026 at 4:01 PM

Hey Megan,

Thanks for the additional information. I'll reach out with any questions soon.

Best,

Lucia

[Quoted text hidden]

Lucia Mason <lbmason@utah.gov>
To: "Winter, Megan" <Megan.Winter@kniferiver.com>

Tue, Aug 18, 2026 at 11:16 AM

Hey Megan,

Thanks for taking my call earlier today.

As I understand Knife River's requested changes, one (1) crusher, one (1) screen, and four (4) conveyor transfer points will be added to the facility. Can you confirm these are the only changes taking place?

I've attached a spreadsheet with calculations for the changes listed above. Could you review the spreadsheet and confirm it accurately represents the emission increase at the Grantsville Pit? If so, I'll add the PM10 and PM2.5 emissions to the facility totals listed in the Grantsville Pit's current AO.

Thanks!

Lucia

[Quoted text hidden]



15953 0003 DAQ Calculations.xlsx

28K

Winter, Megan <Megan.Winter@kniferiver.com>
To: Lucia Mason <lbmason@utah.gov>

Tue, Aug 18, 2026 at 12:49 PM

Hello Lucia,

I reviewed the spreadsheet and found that there's only three (3) new conveyor transfer points. Other than that the information provided is correct.

Thank you,

Megan Winter

Sustainability Coordinator – Mountain Region



Office 208-562-5077 | Mobile 503-890-9746

From: Lucia Mason <lbmason@utah.gov>

Sent: Tuesday, August 18, 2026 11:16 AM

To: Winter, Megan <Megan.Winter@kniferiver.com>

Subject: Re: Request for Additional Information (Utah Division of Air Quality), 15953 0003: Morgan Asphalt, Inc. dba Knife River Corporation - Grantsville Pit

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[Quoted text hidden]

Lucia Mason <lbmason@utah.gov>
To: "Winter, Megan" <Megan.Winter@kniferiver.com>

Thu, Aug 20, 2026 at 2:25 PM

Hi Megan,

Thanks for the update. I've corrected the calculations to include only 3 new conveyor transfer points and passed the draft AO to internal review.

Typically, internal reviews take around six weeks. After the permit is reviewed internally, I will send you a copy of the updated AO for Knife River to review. Once Knife River approves the document the permit will undergo a 30 day public comment period before being issued.

Feel free to reach out with any questions.

Best,

Lucia

[Quoted text hidden]



Lucia Mason <lbmason@utah.gov>

Fwd: NOI Submittal

2 messages

Alan Humpherys <ahumpherys@utah.gov>
To: Lucia Mason <lbmason@utah.gov>

Thu, Jul 30, 2026 at 8:00 AM

Lucia,

Can you please process this NOI?

- Site ID: 15953
- Peer: EQ

Thanks,
Alan

----- Forwarded message -----

From: <noreply@qemailserver.com>
Date: Wed, Jul 29, 2026 at 4:03 PM
Subject: NOI Submittal
To: <ahumpherys@utah.gov>

Recipient Data:**Time Finished:** 2026-07-29 16:02:59 MDT**IP:** 4.36.223.74**ResponseID:** R_5pu0nDBECrG98a2**Link to View Results:** [Click Here](#)**URL to View Results:** https://feedback.utah.gov/apps/single-response-reports/reports/Ur3W6uuFoGaYzpb9nZDB4sZ84A5J4pRIIRVHHt8e-kZcLoU29Q-RadH0DH_pDNEfailHFg9T7upzqdkNG2MAGmvKjUHR-T-mruMmruRbpP84hsZBgt7_CeAnzuOt-sajy-gvKx1c0wENyvym5ytiX_ZLyklZ6X_OikeuY_WP4dl5mfV97yUzbSV8eWh_uflLt-G1J_9uUXk1j7irA5VS5sT11YlawY451LFMv8wRBLVeaumDJObiQPQep9mKWOGn58giVuPXXpNmjzvFlp7VoWRR0olADbmxiTi1BK10yRAP__qAFtvkP46owcihfx9KLm-Cr3Zm4y4qQt2ORLvZduhoMlzljmv96yCWTWJG29MT3sl0xBkjo-S-_hSMJOa

Response Summary:

Company Name:

Morgan Asphalt dba Knife River Corporation

Site Name:

Grantsville Aggregate

Contact Name:

Megan Winter

Contact Email Address:

Megan.Winter@kniferiver.com

Please Attach a copy of your complete application here

https://feedback.utah.gov/WRQualtricsControlPanel/File.php?F=F_2UXFznq2njvKAHA

Please sign acknowledging you are the responsible party to provide DAQ with this NOI.

https://feedback.utah.gov/WRQualtricsControlPanel/File.php?F=F_3KNIBbRXKNG74xY



Department of Environmental Quality

Division of Air Quality

Alan D. Humpherys

Minor NSR Section Manager

(385) 306-6520

AirQuality.utah.gov

Emails to and from this email address may be considered public records and thus subject to Utah GRAMA requirements.



Utah_Application_Checklist_Signed.pdf
694K

Lucia Mason <lbmason@utah.gov>
To: Alan Humpherys <ahumpherys@utah.gov>

Thu, Jul 30, 2026 at 8:24 AM

Sounds good!



Department of Environmental Quality

Division of Air Quality

Lucia Mason

Minor NSR Environmental Engineer

(385) 707-7669

AirQuality.utah.gov

[Quoted text hidden]

Response Summary:

Please Submit your DAQ NOI Application Here

Q2. Company Name:

Morgan Asphalt dba Knife River Corporation

Q3. Site Name:

Grantsville Aggregate

Q4. Contact Name:

Megan Winter

Q7. Contact Email Address:

Megan.Winter@kniferiver.com

Q5. Please Attach a copy of your complete application here

[\[Click here\]](#)

Q6. Please sign acknowledging you are the responsible party to provide DAQ with this NOI.

[\[Click here\]](#)

Embedded Data:

N/A

Knife River Corporation – Mountain
5450 West Gowen Road
Boise, ID 83709

July 29, 2026

Utah Division of Air Quality
New Source Review Section
195 North 1950 West
Salt Lake City, UT 84116

Subject: Notice of Intent to Amend Approval Order DAQE-AN159530001-22

To Whom it May Concern,

Morgan Asphalt dba Knife River Corporation respectfully submits this Notice of Intent (NOI) to modify the existing Approval Order (DAQE-AN159530001-22) for the Grantsville facility.

The proposed modification consists of adding one impact crusher and one screening unit to the existing aggregate processing operation. The facility will have a total of four screens following the modification: three 8-foot by 20-foot screens and one 6-foot by 20-foot screen. The currently permitted configuration includes one 8-foot by 20-foot screen and two 7-foot by 20-foot screens. The new screen inventory reflects equipment replacement and operational updates associated with the proposed modification.

This application includes the completed NOI forms, equipment information, emissions calculations, and a Best Available Control Technology (BACT) analysis for the proposed crusher and screen plant. Existing control measures, including water application and opacity requirements, will continue to be utilized as applicable.

The proposed modification is not expected to result in any changes beyond those identified in the accompanying application materials. The facility will continue to operate in accordance with all applicable state and federal air quality requirements.

Please contact me if any additional information is required during your review.

Sincerely,

Megan Winter
Sustainability Coordinator – Mountain Region



Office 208-562-5077 | Mobile 503-890-9746



Company Name: Morgan Asphalt dba Knife River Corporation

Date: 7/29/26

Source Identification Information: [R307-401-5]

- ☒ Company name, mailing address, physical address and telephone number
- ☒ Company contact (Name, mailing address, and telephone number)
- ☒ Name and contact of person submitting NOI application (if different than 2)
- ☒ Source Universal Transverse Mercator (UTM) coordinates
- ☒ Source Standard Industrial Classification (SIC) code
- ☒ Area designation (attainment, maintenance, or nonattainment)
- ☒ Federal/State requirement applicability (NAAQS, NSPS, MACT, SIP, etc.)
- ☒ Source size determination (Major, Minor, PSD)
- ☒ Current Approval Order(s) and/or Title V Permit numbers

NOI Application Information: [R307-401]

- ☒ Detailed description of the project and source process
- ☒ Discussion of fuels, raw materials, and products consumed/produced
- ☒ Description of equipment used in the process and operating schedule
- ☒ Description of changes to the process, production rates, etc.
- ☒ Site plan of source with building dimensions, stack parameters, etc.
- ☒ Best Available Control Technology (BACT) Analysis [R307-401-8] for all new and modified equipment

Emissions Related Information: [R307-401-2(b)] *(Include PM_{10} , $PM_{2.5}$, NO_x , SO_2 , CO , VOCs, HAPs, and GHGs)*

- ☒ Emission calculations for each new/modified unit and site-wide
- ☒ References/assumptions, SDS, for each calculation and pollutant
- ☒ All speciated HAP emissions (list in lbs/hr)

Emissions Impact Analysis – Approved Modeling Protocol [R307-410]

- ☐ Composition and physical characteristics of effluent
- ☐ (emission rates, temperature, volume, pollutant types and concentrations)

Nonattainment/Maintenance Areas – Major NSR/Minor (offsetting only) [R307-403]

- ☒ N/A
- ☐ NAAQS demonstration, Lowest Achievable Emission Rate, Offset requirements
- ☐ Alternative site analysis, Major source ownership compliance certification

Major Sources in Attainment or Unclassified Areas (PSD) [R307-405, R307-406]

- ☒ N/A
- ☐ Air quality analysis (air model, met data, background data, source impact analysis)
- ☐ Visibility impact analysis, Class I area impact

Signature on Application

Joseph Smith

Digitally signed by Joseph Smith
Date: 2026.07.29 15:35:57 -06'00'



**Department of
Environmental Quality**

Division of Air Quality

Form 2

Company Information/Notice of Intent (NOI)

New Source Review

Date 7/29/2025

Application for:

☐

Initial Approval Order

☒

Approval Order Modification

General Owner and Source Information

Company name and mailing address:

Morgan Asphalt dba Knife River Corporation

7620 West Highway 201 Magna, UT 84044

Phone No.: (801) 595 0010

Company contact for environmental matters*:

Megan Winter

Phone no.: (503) 890-9746

Email: megan.winter@kniferiver.com

** Company contact only; consultant/independent contractor information can be provided in a cover letter*

Site name and physical address:

Grantsville Pit

Approximately 5 miles northwest of Grantsville on US 138

Grantsville, Utah 84029

Phone no.: (801) 595 0010

Property Universal Transverse Mercator Coordinates (UTM): *including System and Datum.*

UTM: Datum NAD 83, Zone 12

X: 369,000m Easting

Y: 4,501,600m Northing

County Tooele

Standard Industrial Classification Code (SIC)

1442 - 02

FOR MODIFICATION ONLY: DAQE # AN159530001-22

Date: 7/29/2026

Brief (50 words or less) description of process.

Aggregate material is received and processed through crushing, screening, and conveying equipment to produce aggregate products for construction uses.

A complete and accurate electronic NOI submitted can expedite review process. Please mark application type.

Electronic Copy

☒

Hard Copy

☐

Both

☐

Alan Humpherys (ahumpherys@utah.gov) Minor NSR Manager

Jon Black (jlblack@utah.gov) Major NSR Manager

Authorization/Signature

I hereby certify that the information and data submitted in and with this application is completely true, accurate and complete, based on reasonable inquiry made by me and to the best of my knowledge and belief.

Signature: Joseph Smith

Title: Regional Environmental Manager

Name (Type or print) Joseph Smith

Phone No. 406-876-4637

Date: 7/29/26

Email: joe.smith@kniferiver.com

Note: The Division of Air Quality will not accept documents containing confidential information or data. Documents containing confidential information will be returned to the Source submitting the application.



Form 4

Project Information

New Source Review

MODIFICATION/AMENDMENT ONLY - PROCESS DATA

Company: Morgan Asphalt dba Knife River		Site Name: Grantsville Aggregate	
Permit ID: DAQE: AN159530001-22 (new permits use Form 3)		Does new emissions unit affect existing permit processing limits: Yes ☐ No ☒	
Permit Change: New Increase* Equipment ☒ ☒ Process ☐ ☐ Condition Change Adding additional equipment. _____ Other _____ Other _____ Other _____ If the permit being modified does not include CO₂e or PM_{2.5}, the emissions need to be calculated and submitted to DAQ, which may result in an emissions increase and a public comment period.		Condition(s) Changing: Addition of one impact crusher and one 8x20 screen to the existing aggregate processing system. No increase in permitted annual production is requested.	
Name of Process to be modified/added: Impact crusher and one screen to be added to existing permit.		End Product of process: Finished aggregates.	
Process Description: (please attach supplemental information in needed)			
Aggregate will be extracted and processed through crushing and screening to produce various dimensions of finished aggregate.			
New or modified Materials and quantities used in process.**			
Material		Maximum Annual Quantity (indicate units)	
Sand and Gravel		650,000 Tons/Year	
New or modified Process-Emitting Units with pollution control equipment**			
Emitting Unit(s)	Capacity(s)	Manufacture Date(s)	
Remco Sandmax5080 SN: 5080-0522-121	200 TPH	2022	
Astec Screen	8x20	2024	

**If additional space is required, please generate a document to accommodate and attach to form.



Form 5

Emissions Information
Potential to Emit* Criteria Pollutants & GHG& HAPS

New Source Review

Potential to Emit* Criteria Pollutants & GHG

Criteria Pollutants	Permitted Emissions (tons/yr)	Emissions Increases (tons/yr)	Proposed Emissions (tons/yr)
PM ₁₀ Total	26.28	2.09	28.37
PM ₁₀ Fugitive	26.06	0	26.06
PM _{2.5}	3.59	0.28	3.87
NO _x	0	0	0
SO ₂	0	0	0
CO	0	0	0
VOC	0	0	0
VOC Fugitive	0	0	0
NH ₃	0	0	0
GREENHOUSE GASES	CO ₂ e	CO ₂ e	CO ₂ e
CO ₂	0	0	0
CH ₄	0	0	0
N ₂ O	0	0	0
HFCs	0	0	0
PFCs	0	0	0
SF ₆	0	0	0
TOTAL CO₂e	0	0	0

*Potential to emit to include pollution control equipment as defined by R307-401-2.

Hazardous Air Pollutants (Defined in Section 112(b) of the Clean Air Act)

Hazardous Air Pollutant***	Permitted Emissions (tons/yr)	Emission Increase (tons/yr)	Proposed Emission (tons/yr)	Emission Increase (lbs/hr)
Not Applicable				
Total HAP				

Note: The Division of Air Quality will not accept documents containing confidential information or data. Documents containing confidential information will be returned to the Source submitting the application.

Knife River Corporation – Mountain
5450 West Gowen Road
Boise, ID 83709

Best Available Control Technology (BACT) Analysis

Project Description:

The proposed amendment to DAQE-AN159530001-22 consists of the installation of one additional crusher, screen, and associated conveyors. The increase in equipment will not increase annual production, haul road mileage, storage pile area, or disturbed acreage. The addition of equipment will increase PM₁₀ emissions by 2.09 tons per year and PM_{2.5} emissions by 0.28 tons per year. Fugitive emissions will remain unchanged. The site will continue to operate within the permitted production limit of 650,000 tons per year.

Equipment Evaluated:

- One Crusher
- One Screen
- Associated Conveyor Transfer Points

Best Available Control Technology:

The best available control technology for PM₁₀ and PM_{2.5} emissions from the proposed crusher, screen, and associated conveyors is water spray suppression.

The current Approval Order requires water sprays on crushers and stacker drop points and requires the application of water sufficient to maintain compliance with the approved opacity limits. The proposed equipment will use the same control technology currently approved for the site. Specifically, water sprays will be installed on the crusher and applicable transfer points and operated as necessary to minimize particulate emissions.

BACT Determination

Water spray suppression is a proven and efficient particulate matter control technology for aggregate processing. The technology is feasible, economically reasonable, and consistent with the control measures currently used at the site. Therefore, water suppression is selected as BACT for the proposed crusher, screen, and associated conveyors.