



**TECHNICAL REVIEW AND EVALUATION
OF APPLICATION FOR
AIR QUALITY PERMIT No. 88062**

I. INTRODUCTION

This Class I renewal permit is issued to Lhoist North America of Arizona, Inc., the Permittee, for continued operation of its limestone processing and lime manufacturing plant located approximately six miles east of Peach Springs in Yavapai County, Arizona. This permit renews and supersedes Permit No. 63592.

A. Company Information

Facility Name: Lhoist North America – Nelson Lime Plant

Mailing Address: P.O. Box 370
Peach Springs, AZ 86434

Facility Location: 2.5 miles S of Route 66, Mile Marker 112
Peach Springs, Yavapai County, AZ 86434

B. Attainment Classification

The facility is located in an area classified as attainment or unclassifiable for all criteria pollutants.

II. PROCESS DESCRIPTION

A. Process Equipment

1. Limestone Processing

The limestone processing operations consist of three (3) quarries, a crushing and screening plant, and auxiliary operations. The limestone processing operations produce crushed and sized limestone for the adjacent lime manufacturing operations, and crushed and sized limestone products for aggregate sales.

a. Quarry operations

Quarry operations include drilling and blasting to fracture the overburden and stone; Breaking apart extra-large boulders left-over from the blasting with a rock hammer; Loading and hauling the limestone to the primary crusher, overburden and waste rock to in-pit storage areas and to gravitational piles and hauling and transferring off-spec limestone (chat) and waste (dirt and dust) from the crushing and screening plant to in-pit storage areas; and hauling and transferring kiln dust, off-spec limestone, off-spec lime and off-spec hydrate from the lime manufacturing facility to in-pit storage areas.

b. Crushing and Screening Operation

The crushing and screening plant processes the limestone through a series of crushers and screens in order to reduce the size of the rock, and to separate out the very fine material (chat) and remove it from the system. The chat is conveyed from four (4) different screens in the crushing and screening plant to the chat silo. The chat is then loaded into haul trucks and stockpiled for sale. The chat is also used as quarry backfill, to build quarry safety berms or to build and maintain haul roads. The crushed limestone is conveyed to a kiln feed stockpile for use by the adjacent lime manufacturing operations. Kiln feed material is also occasionally sold or used onsite for gravel or road fill material.

2. Lime Manufacturing Operations

The lime manufacturing equipment consists of two (2) lime kilns that convert crushed limestone (CaCO_3) into quicklime (CaO), along with auxiliary processing equipment. Operations include pre-kiln limestone handling, kiln operations, post-kiln lime handling, a lime hydrator, truck and rail loadout facilities, and solid fuel handling.

Crushed limestone produced by the crushing and screening operations is stored in kiln feed stockpiles. The crushed limestone that is reclaimed from the stockpiles is transferred to the two stone bins that feed the two lime Kilns 1 and 2. The rated design capacity of Kiln 1 is 800 tons per day and Kiln 2 is 1000 tons per day. The lime product from the kilns is cooled within a contact cooler and is then sent to either the Front Lime Handling System (FLHS) or the Back Lime Handling System (BLHS) for processing and storage. Both kilns are capable of burning coal, petroleum coke, diesel, on-spec used fuel oil, or any combination of such fuels.

Particulate emissions from each kiln are controlled with a multicyclone and negative pressure baghouse.

The lime kiln dust (LKD) is transported to the kiln dust storage area in the quarry, or loaded into super sacks or trucks/rail cars for sale, or mixed with the lime product.

The facility also produces hydrated lime by pulverizing quicklime and mixing it with water.

B. Control Devices

Table 1: List of Control Devices

| Control ID | Control Description |
|-------------------|--------------------------------|
| Enclosed | Enclosed Process |
| Sealed | Sealed - no fugitive emissions |
| Underground | Underground Transfer Point |
| Water Spray | Use of Water Sprays |

| Control ID | Control Description |
|-------------------|-------------------------------------|
| Water Carryover | Process Material is Wet From Sprays |
| Water 1 | Water Truck |
| Water 2 | Watered Roads |
| Bags | Fabric Filter Bags on Silos |
| DC 213 | Dust Collector #213 |
| DC 234 | Dust Collector 234 |
| DC 206-D | Dust Collector 206D |
| DC 219-D | Dust Collector 219D |
| DC 1-321 | Dust Collector 1-321 |
| DC 2-321 | Dust Collector 2-321 |
| DC 414 | Dust Collector 414 |
| DC 419-5 | Dust Collector 419-5 |
| DC 430 | Dust Collector 430 |
| DC 437A | Dust Collector 437A |
| DC 437B | Dust Collector 437B |
| DC 437C | Dust Collector 437C |
| DC 437D | Dust Collector 437D |
| DC 437E | Dust Collector 437E |
| DC 437F | Dust Collector 437F |
| DC 437G | Dust Collector 437G |
| DC 452 | Dust Collector 452 |
| DC 527 | Dust Collector 527 |
| DC 714 | Dust Collector 714 |
| DC 721 | Hydrate System Dust Collector |
| DC 750A | Hydrate System Dust Collector |
| DC 762-1 | Dust Collector 762-1 |
| DC DS1 | Dust Collector DS1 |
| DC SC1 | Dust Collector DC SC1 |
| DF 711 | Hydrate System Scrubber 711 |

C. Process Flow Diagrams

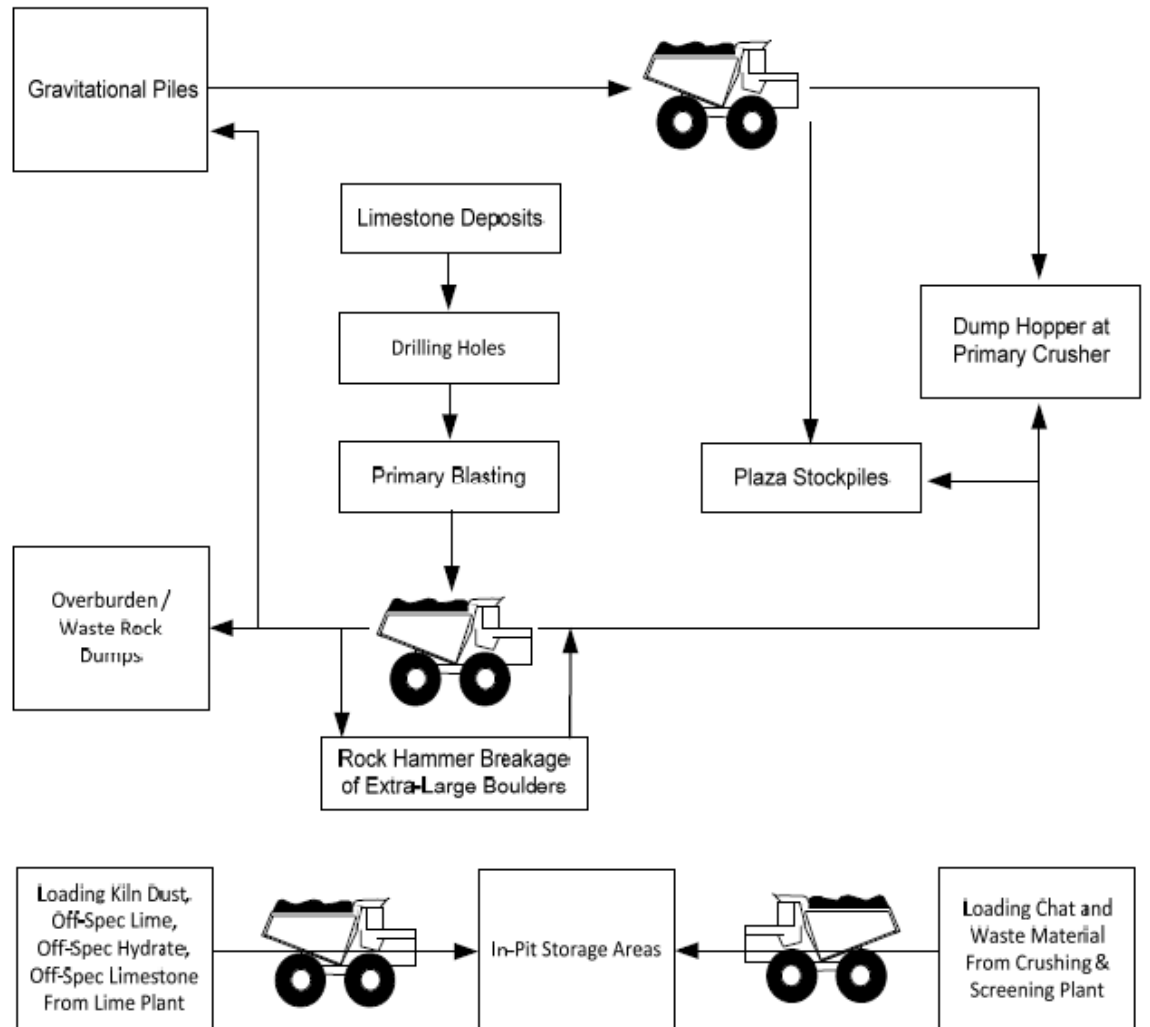


Figure 1: Quarry Operations

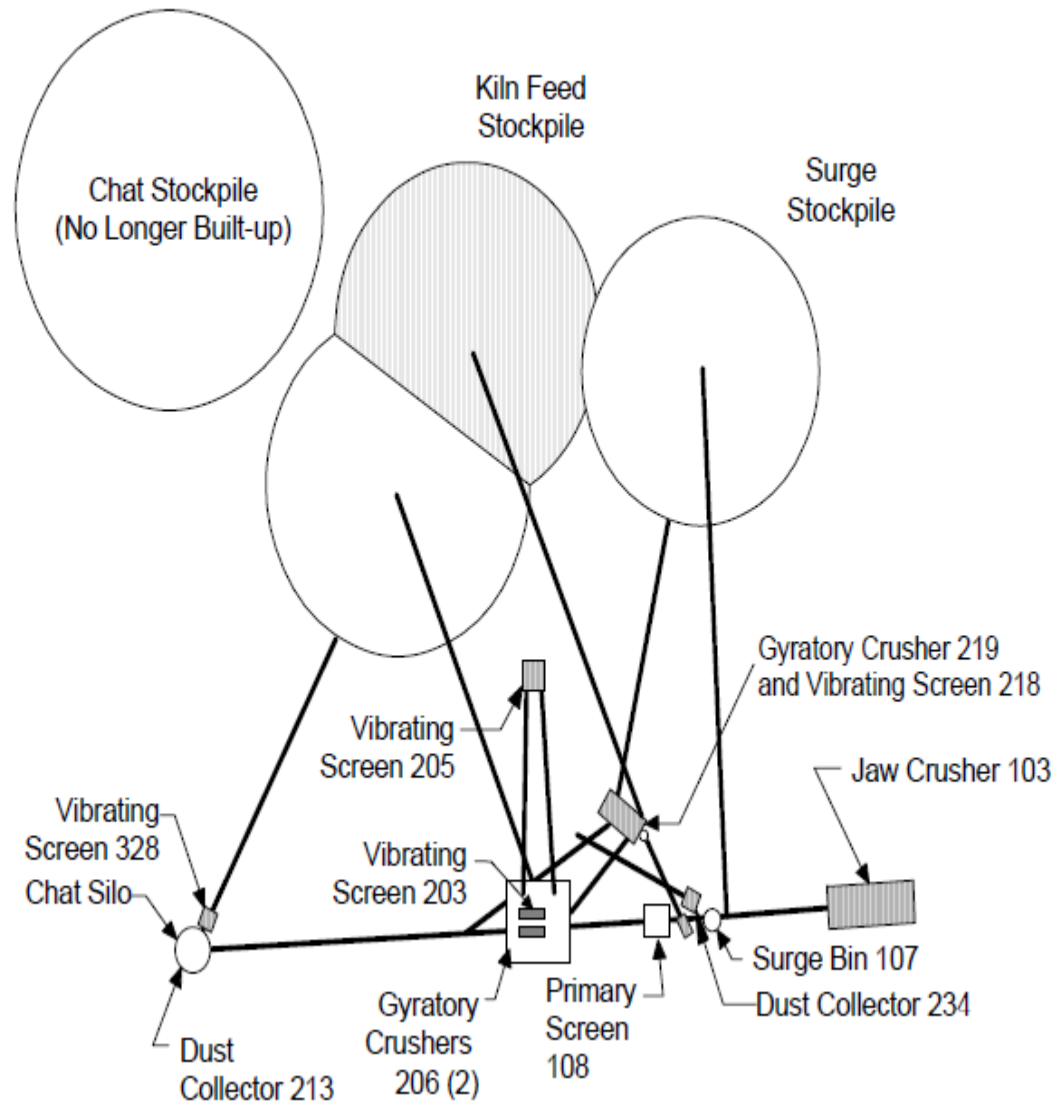


Figure 2: Crushing and Screening Plant

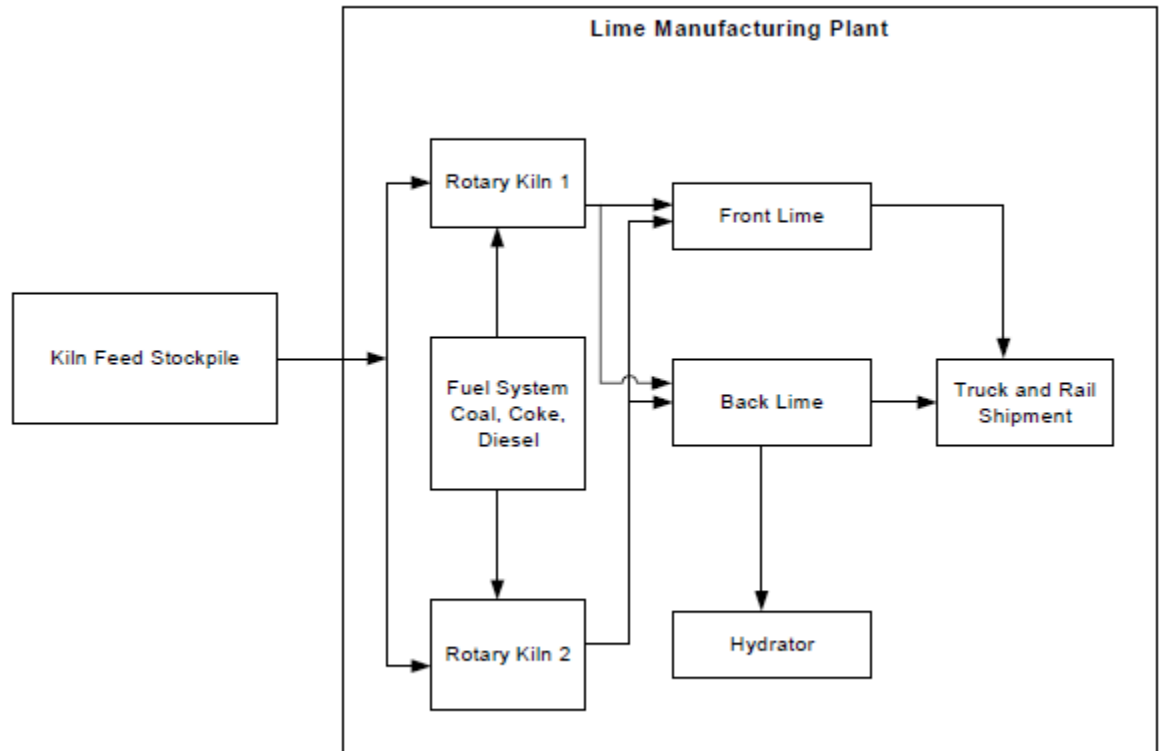


Figure 3: Lime Manufacturing Plant

III. LEARNING SITES EVALUATION

This Class I Renewal Permit will not result in an increase in emissions as there are no changes to any equipment. Hence, the facility is exempt from the learning sites evaluations.

IV. COMPLIANCE HISTORY

During the permit term Lhoist North America of Arizona submitted ten (10) compliance certifications associated with Permit No. 63592 to ADEQ certifying compliance with the permit. The compliance certifications resulted in no Notice of Violations (NOV) or Notices of Opportunity to Correct (NOC).

ADEQ inspected the facility six (6) times during the permit term. The inspections resulted in no Notice of Violations (NOV) or Notices of Opportunity to Correct (NOC).

There were five (5) permit deviations and thirteen (13) excess emission reports during the permit term. There was one NOV issued due to excess emissions during the compliance period (see below).

The Permittee conducted seven (7) performance tests during the compliance period. Table 2 shows the results of the performance tests.

Table 2: Performance Test Results

| Emission Unit | Pollutant | Date of Test | Results of Performance Test | |
|---------------------------------|-----------|-------------------------|-----------------------------|------|
| Solid Fuel Handling equipment | Opacity | 12/9/2020 to 12/10/2020 | 0% | Pass |
| Screw Conveyor 1-613 | Opacity | 8/7/2020 | 0% | Pass |
| Vibrating Feeders 504A and 504B | Opacity | 3/18/2020 | 0% | Pass |
| Solid Fuel Handling equipment | Opacity | 12/11/2019 | 0% | Pass |
| Screw Conveyor 1-613 | Opacity | 7/22/2019 | 0% | Pass |
| Vibrating Feeders 504A and 504B | Opacity | 3/18/2019 | 0% | Pass |
| Kiln 2 | PM | 8/16/2017 to 8/17/2017 | 0.0072 lb/tsf | Pass |
| Kiln 1 | PM | | 0.0088 lb/tsf | Pass |
| VS 328 to BC 329 | Opacity | | 0% | Pass |
| BC 329 to Stone Bin 1-304 | Opacity | | 0% | Pass |
| BC 303-A to Stone Bin 2-304 | Opacity | | 0% | Pass |
| BC 329 to BC 303-A | Opacity | | 0% | Pass |

A. Case Number 193374

There were opacity excess emission events from the Kiln 2 baghouse on September 22, 2020 and September 23, 2020. The excess emissions occurred intermittently over the two days for a total of approximately 40 minutes. A Notice of Violation was issued to the Permittee on October 1, 2020. The Permittee was required to submit a root cause analysis, a copy of the O&M Plan and documentation of an inspection of the baghouse. ADEQ closed this case on October 21, 2020 after determining that the Permittee met the documenting compliance provisions of the NOV.

B. Case number 193225

The Permittee observed an opacity excess emission from the Kiln 2 baghouse on April 19, 2020 during startup for 5 minutes on three separate occasions. The compliance team reviewed the excess emission report and determined that no formal enforcement action would be taken due to the self-reporting diligence of the Permittee, low excess emission of a minor pollutant, and commitment to having a 3rd party vendor evaluate the control equipment. The case was dismissed without issuing a NOV.

V. EMISSIONS

The facility has a potential-to-emit (PTE) more than the major source thresholds of NO_x, PM₁₀, CO and SO₂. The facility's PTE is provided in Table 3 below:

Table 3: Potential to Emit (tpy)

| Pollutant | Emissions |
|-----------------------------|-----------|
| NO _x | 1,225.38 |
| PM ₁₀ | 382.12 |
| PM _{2.5} | 66.21 |
| CO | 530.14 |
| SO ₂ | 3,690.65 |
| VOC | 7.49 |
| Highest Single HAP (HCL) | 8.26 |
| HAPs | 9.52 |
| GHG (CO ₂ e) | 924,267 |

VI. MINOR NEW SOURCE REVIEW (NSR)

Minor new source review was not required for this permitting action since there is no change to the emissions or the method of operations being implemented with this permitting action.

VII. VOLUNTARILY ACCEPTED EMISSION LIMITATIONS AND STANDARDS

The permit contains the following voluntary emission limitations and standards:

A. Hydrator

The Permittee shall not cause, allow or permit the discharge of particulate matter into the atmosphere in any one hour from the DF 711 stack in total quantities in excess of 5.71 pounds-mass per hour.

This voluntary emission limit was a part of Installation Permit No. 65011.

B. Requirements for engines subject to NSPS Subpart IIII Performance Standards for Stationary Compression Ignition Internal Combustion Engines

If the engine is equipped with a diesel particulate filter, the Permittee shall install, operate and maintain the particulate filter in accordance with good air pollution control practices for minimizing emissions.

The diesel particulate filter is not required on engines subject to NSPS Subpart IIII but if a diesel particulate filter is used to meet the emission standards, then there are associated monitoring, recordkeeping and reporting requirements.

VIII. APPLICABLE REGULATIONS

Table 4 identifies applicable regulations and verification as to why that standard applies. The table also contains a discussion of any regulations the emission unit is exempt from.

Table 4: Applicable Regulations

| Unit & year | Control Device | Rule | Discussion |
|--|-------------------------------|---|---|
| Limestone Crushing and Screening, and Limestone Kiln feed system | Dust collectors, water sprays | A.A.C. R18-2-702 A.A.C. R18-2-720 40 CFR 60 Subpart OOO | A.A.C. R18-2-720 is applicable to limestone crushing and screening operations installed prior to 1983. New Source Performance Standards (NSPS) 40 CFR 60 Subpart OOO- Standards of Performance for Nonmetallic Mineral Processing Plants is applicable to limestone crushing and screening equipment installed after 1983. |
| Solid Fuel Handling System | Dust collector | A.A.C. R18-2-702 A.A.C. R18-2-716 40 CFR 60 Subpart Y | Standards of Performance for Existing Coal Preparation Plants A.A.C. R18-2-716 is applicable to Solid Fuel Handling System equipment constructed prior to October 24, 1974. New Source Performance Standards (NSPS) 40 CFR 60 Subpart Y- Standards of Performance for Coal Preparation and Processing Plants applicable to equipment installed after October 24, 1974. |

| Unit & year | Control Device | Rule | Discussion |
|--|---------------------------|---|--|
| Process Stone Handling (PSH) operations, Rotary Kilns, Contact Coolers | Multicyclones, baghouses | A.A.C. R18-2-720 A.A.C. R18-2-730 40 CFR 63 Subpart AAAAA | Rotary kilns and coolers are subject to Standards of Performance for Existing Lime Manufacturing Plants under A.A.C. R18-2-720. PSH operations are not subject to A.A.C. R18-2-720. Therefore, A.A.C. R18-2-730, Standards for Unclassified sources are applicable these operations. Also, National Emission Standards for Hazardous Air Pollutants (NESHAP) requirements under 40 CFR 63 Subpart AAAAA-National Emission Standards for Hazardous Air Pollutants for Lime Manufacturing Plants for lime manufacturing facilities are applicable as the facility is major source of HAPs emissions. NESHAP standards are more stringent than the A.A.C. standards. Lime Kilns 1 and 2 are also subject to Regional Haze Obligations for NO _x and SO ₂ . |
| Front Lime Handling System (FLHS) and Back Lime Handling System (BLHS) | Dust collectors | A.A.C. R18-2-702 A.A.C. R18-2-730 | NSPS Subpart OOO and A.A.C. R18-2-720, are applicable only to material sizing, conveying, and storing operations that process limestone. As these systems process lime, these requirements are not applicable. Thus requirements for unclassified sources under A.A.C. R18-2-730 are applicable to lime handling operations. |
| Hydrate System | Dust Collectors, scrubber | A.C. R18-2-702 A.A.C. R18-2-720 | The Hydrate System is subject to Standards of Performance for Existing Lime Manufacturing Plants under A.A.C. R18-2-720. |
| Pony Engines and Detroit Diesel Emergency Fire Pump Engine | N/A | A.A.C. R18-2-719 40 CFR 63 Subpart ZZZZ | These engines are not subject to NSPS Standards under 40 CFR 60 Subpart III as these were manufactured prior to April 1, 2006. Thus, these engines are subject to Standards of Performance for Existing Stationary Rotating Machinery under A.A.C R18-2-719 These engines are also subject to NESHAP standards under 40 CFR 63 Subpart ZZZZ. |

| Unit & year | Control Device | Rule | Discussion |
|------------------------------------|---|--|---|
| 125kW Canyon Well Generator engine | N/A | 40 CFR Subpart III | The engines built after 2006 are subject to NSPS Standards under 40 CFR Subpart III. These engines comply with NESHAP standards under 40 CFR 63 Subpart ZZZZ by complying with the requirements under 40 CFR Subpart III. |
| Gasoline Storage Tank | N/A | A.A.C. R18-2-710 | The 8,000 gallon gasoline storage tank is subject to requirements for Standards of Performance for Existing Storage Vessels for Petroleum Liquids under A.A.C R18-2-710. |
| Diesel Storage Tanks | N/A | A.A.C. R18-2-730 | As defined in A.A.C. R18-2-701.29, diesel fuel is not a petroleum liquid, and thus not subject to requirements for petroleum liquids under A.A.C R18-2-710. These tanks also do not meet the applicability requirements for 40 CFR 60 Subpart Kb. Hence these tanks are subject to standards for unclassified sources A.A.C. R18-2-730. |
| Hot Water Pressure Washer | N/A | A.A.C. R18-2-724 | Standards of Performance for Fossil-fuel Fired Industrial and Commercial Equipment under A.A.C. R18-2-724 are applicable to Hot Water Pressure Washer. NESHAP requirements under 40 CFR 63 Subpart DDDDD are not applicable to hot water heaters less than 1.6 MMBtu/hr. |
| Fugitive dust sources | Water Trucks, Dust Suppressants | A.A.C. R18-2 Article 6 A.A.C. R18-2-702 | These standards are applicable to all fugitive dust sources at the facility. |
| Abrasive Blasting | Wet blasting; Dust collecting equipment; Other approved methods | A.A.C. R-18-2-702 A.A.C. R-18-2-726 | These standards are applicable to any abrasive blasting operation. |
| Spray Painting | Enclosures | A.A.C. R18-2-702 A.A.C. R-18-2-727 | These standards are applicable to any spray painting operation. |

| Unit & year | Control Device | Rule | Discussion |
|----------------------------------|----------------|-----------------------|--|
| Demolition/renovation Operations | N/A | A.A.C. R18-2-1101.A.8 | This standard is applicable to any asbestos related demolition or renovation operations. |

IX. PREVIOUS PERMIT REVISIONS AND CONDITIONS

A. Previous Permit Revisions

Table 5 provides a description of the permit revisions made to Permit No. 63592 during the previous permit term.

Table 5: Permit Revisions to Permit No. 63592

| Permit Revision No. | Permit Revision Type | Brief Description |
|---------------------|----------------------|--|
| 65611 | MPR | Authorized a like-kind replacement of Vibrating Feeder 504B in the solid fuel handling system. No change in emissions. |
| 67039 | MPR | Authorized a like-kind replacement of Vibrating Feeder 504A in the solid fuel handling system. No change in emissions. |
| 67349 | MPR | Authorized the installation of Weigh Feeder 1-602 and 2-602 in the solid fuel handling system. No change in emissions. |
| 71490 | MPR | Authorized the use of a Pneumatic Dust Collector (DC-SC1) to import specialty hydrated lime via rail car. PM ₁₀ and PM _{2.5} emissions increased by 0.13 and 0.03 tpy respectively. |
| 72881 | MPR | Authorized NLP to inject lime in Kilns 1 and 2 to control SO ₂ . PM ₁₀ and PM _{2.5} emissions increased by 1.11 and 0.11 tpy respectively. |
| 74727 | MPR | Undertaking a process to transfer the requirements of the federal implementation plan to a state implementation plan. Section XIV of Attachment "B" was removed and the conditions of that section were added as Attachment "C" Regional Haze Obligations for Lhoist Nelson Lime Plant. No change in emissions. |
| 75680 | MPR | Authorized Lhoist to renumber weigh feeders 1-602 to 2-601A and 2-602 to 1-601A and add Belt Conveyor 2-601B to the solid fuel handling system. No change in emissions. |
| 79199 | MPR | Reclassified Weigh Feeder 1-601A as being subject to NSPS Subpart Y Standards of Performance for Coal Preparation and Processing Plants. No change in emissions. |

| Permit Revision No. | Permit Revision Type | Brief Description |
|---------------------|----------------------|--|
| 82742 | MPR | Authorized Lhoist to add a series of air cannons at the bottom of Product Silo 3A to prevent product build up and a dust collector to control the dust. No increase in emissions. |

B. Changes to Current Renewal

Table 6 addresses the changes made to the sections and conditions from Permit No. 63592 as revised by minor permit revision 82742.

Table 6: Previous Permit Conditions

| Section No. | Determination | | | Comments |
|------------------------|---------------|---------|---------|--|
| | Added | Revised | Deleted | |
| Att. "A" | | X | | General Provisions: Revised to represent the most recent template language |
| Att. "B" Section I | | X | | Facility Wide Requirements: Revised to represent the most recent template language |
| Att. "B" Section VI | | X | | Kiln 1 and Kiln 2 and Associated Stone Handling Facilities: Edited the citations and language to match the January, 2021 rule update. |
| Att. "B" Section XV | | | X | Mobile Source Requirements: Mobile Source Requirements – Removed section given the facility is not subject to A.A.C. R18-2-Article 8. |
| Att. "D" | | X | | Equipment List: Revised to reflect the most recent equipment operating at the facility and to include equipment information provided. |

X. MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

Table 7 contains an inclusive but not an exhaustive list of the monitoring, recordkeeping and reporting requirements prescribed by the air quality permit. The table below is intended to provide insight to the public for how the Permittee is required to demonstrate compliance with the emission limits in the permit.

Table 7: Permit No. XXXXX

| Emission Unit | Pollutant | Emission Limit | Monitoring Requirements | Recordkeeping Requirements | Reporting Requirements |
|--|------------------|-----------------------|---|-----------------------------------|-------------------------------|
| Crushing and Screening Plant Subject to A.A.C. R-18-2-720 | PM | 20% Opacity | Conduct Visible Emission Observation procedure every two weeks. Conduct control device monitoring and maintenance monthly. | | |
| Crushing and Screening Plant Subject to NSPS Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants | PM | 10% Opacity | Conduct Visible Emission Observation procedure every two weeks. | | |
| Solids Fuel Handling System Subject to A.A.C. R18-2-716 | PM | 20% Opacity | Conduct Visible Emission Observation procedure every two weeks. Conduct control device monitoring and maintenance monthly. | | |

| Emission Unit | Pollutant | Emission Limit | Monitoring Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|-----------|---|--|----------------------------|--|
| <p>Solids Fuel Handling System Subject to NSPS Subpart Y Standards of Performance for Coal Preparation and Processing Plants.</p> | <p>PM</p> | <p>20% Opacity (1974 to 2008 units)</p> | <p>Conduct Visible Emission Observation procedure every two weeks.</p> | | <p>Submit semiannual reports of excess emissions of all 6-minute averages.</p> |
| | | <p>10% Opacity (post 2008 units)</p> | <p>Conduct Method 9 performance test in accordance with Condition V.B.3 of Attachment "B".</p> | | <p>Submit method 9 performance test report within 60 days to the EPA.</p> |

| Emission Unit | Pollutant | Emission Limit | Monitoring Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|-----------------|---|--|----------------------------|--|
| Kilns 1 and 2 Systems and Associated Stone Handling | PM | 0.12 lb/ ton stone fed | Performance Test once every five years. | | |
| | | 15% Opacity from each kiln and lime cooler | Operate a continuous opacity monitoring system (COMS). | | Submit a semiannual excess emissions and monitoring system performance report. |
| | | 10% Opacity Fugitive emissions from processed stone handling (PSH) operations- Stone Bin 2-304, Stone Bin 1-304, Belt Conveyor 329, and Weigh Belt 303A | Conduct 1 minute visible observation surveys in accordance with Condition VI.C.4.c of Attachment "B". | | |
| | NO _x | 3.8 and 2.6 lb/ton of lime product (tlp) for Kilns 1 and 2 respectively 3.27 tons per day on a 30-kiln-operating day basis | Operate a continuous emissions monitoring system (CEMS) for NO _x . Operate a continuous monitoring system for ammonia consumption. | | Submit a semiannual excess emissions, monitoring system performance report, and emissions summary. |

| Emission Unit | Pollutant | Emission Limit | Monitoring Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|-----------------|---|---|----------------------------|--|
| Kilns 1 and 2 Systems and Associated Stone Handling | SO ₂ | 9.32 and 9.73 lb/tp for Kilns 1 and 2 respectively 10.10 tons per day on a 30-kiln-operating day basis | Operate a continuous emissions monitoring system (CEMS) for SO ₂ . | | Submit a semiannual excess emissions, monitoring system performance report, and emissions summary. |
| Lime Handling and Kiln Dust Handling | PM | 20% Opacity | Conduct Visible Emission Observation procedure every two weeks. Conduct control device monitoring and maintenance monthly. | | |
| Hydrator | PM | 20% Opacity | Conduct Visible Emission Observation procedure every two weeks. Conduct control device monitoring and maintenance monthly. | | |

| Emission Unit | Pollutant | Emission Limit | Monitoring Requirements | Recordkeeping Requirements | Reporting Requirements |
|--|-----------------|----------------|---|---|--|
| Diesel Engines Not Subject to NSPS | PM | 40% opacity | Conduct Visible Emission Observation procedure every two weeks. | | |
| | SO ₂ | 1.0 lb/MMBtu | | Maintain records of the fuel supplier certifications demonstrating compliance with the sulfur limit. | Report to the Director any daily period during which the sulfur content used in the engine exceeds 0.8%. |
| | HAPs | | | Records of maintenance performed on the engine. Records of malfunctions and any actions taken during these periods to minimize emissions, if applicable. | Submit annual reports to EPA if the engine is operated to supply power as part of a financial arrangement with another entity. |

| Emission Unit | Pollutant | Emission Limit | Monitoring Requirements | Recordkeeping Requirements | Reporting Requirements |
|-------------------------------------|-----------|---|-------------------------|--|------------------------|
| Engines Subject to NSPS Subpart III | NOx | 4.7 g/kW-hr (2014 and prior year engines with a power rating of 37≤kW<75 and 2015 or later engines with a power rating of 37≤kW<56) 4.0 g/kW-hr (2014 and prior year engines with a power rating of 75≤kW<130) | | Engine Certifications or compliance documentation in accordance with Condition X.F of Attachment “B” | |
| | CO | 5 g/kW-hr | | | |

| Emission Unit | Pollutant | Emission Limit | Monitoring Requirements | Recordkeeping Requirements | Reporting Requirements |
|--|-----------------|----------------|--|---|------------------------|
| Engines Subject to NSPS Subpart IIII | PM | 0.03 | Backpressure monitor for engines with diesel particulate filter. | <p>Engine Certifications or compliance documentation in accordance with Condition X.F of Attachment “B”</p> <p>Any corrective action taken after the backpressure monitor has notified the Permittee that the high backpressure limit of the engine is approached for engines with diesel particulate filter.</p> | |
| Gasoline Storage Tanks Subject to A.A.C. R18-2-710 | | | | Maintain storage tank log in accordance with Condition XI.C of Attachment “B” | |
| Hot water pressure heater | PM | 15% Opacity | Conduct Visible Emission Observation procedure every two weeks. | | |
| | SO ₂ | 1 lb/MMBTU | | Maintain records of the fuel supplier certifications demonstrating compliance with the sulfur limit. | |

| Emission Unit | Pollutant | Emission Limit | Monitoring Requirements | Recordkeeping Requirements | Reporting Requirements |
|---------------------------|-----------|---|--|---|------------------------|
| Fugitive Dust | PM | 40% Opacity | A Method 9 observer is required to conduct a monthly survey of visible emissions. | Record of the dates and types of dust control measures employed, and if applicable, the results of any Method 9 observations, and any corrective action taken to lower the opacity of any excess emissions. | |
| Abrasive Blasting | PM | 20% Opacity | | Record the date, duration and pollution control measures of any abrasive blasting project. | |
| Spray Painting | VOC | 20% Opacity Control 96% of the overspray | | Maintain records of the date, duration, quantity of paint used, any applicable MSDS, and pollution control measures of any spray painting project. | |
| Demolition/ Renovation | Asbestos | | | Maintain records of all asbestos related demolition or renovation projects including the “NESHAP Notification for Renovation and Demolition Activities” form and all supporting documents | |

XI. LIST OF ABBREVIATIONS

| | |
|-------------------|--|
| A.A.C. | Arizona Administrative Code |
| ADEQ | Arizona Department of Environmental Quality |
| A.R.S. | Arizona Revised Statutes |
| CEMS | Continuous Emissions Monitoring System |
| CFR | Code of Federal Regulations |
| CO | Carbon Monoxide |
| CO ₂ | Carbon Dioxide |
| CO _{2e} | CO ₂ equivalent basis |
| EPA | Environmental Protection Agency |
| GHG | Greenhouse Gases |
| HAP | Hazardous Air Pollutant |
| hr | Hour |
| IC | Internal Combustion |
| kW | Kilowatt |
| NO _x | Nitrogen Oxides |
| NSPS | New Source Performance Standards |
| PM | Particulate Matter |
| PM ₁₀ | Particulate Matter less than 10 µm nominal aerodynamic diameter |
| PM _{2.5} | Particulate Matter less than 2.5 µm nominal aerodynamic diameter |
| PTE | Potential to Emit |
| SO ₂ | Sulfur Dioxide Significant Impact Levels |
| TPY | Tons per Year |
| VOC | Volatile Organic Compound |
| yr | Year |