

AIR QUALITY CONSTRUCTION PERMIT #3340-RMD FACILITY CDS #NM/001/02442 Facility ID: FA0007616; Record ID: PR0009169

Timothy M. Keller, Mayor

Issued to:	Responsible Official:
New Mexico Terminal Services, LLC.	Karl Pergola
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	Return Receipt Requested	

Pursuant to the New Mexico Air Quality Control Act, Chapter 74, Article 2 New Mexico Statutes Annotated 1978 (As Amended); the Joint Air Quality Control Board Ordinance, 9-5-1 to 9-5-99 ROA 1994; the Bernalillo County Joint Air Quality Control Board Ordinance, Bernalillo County Ordinance 94-5; the Albuquerque/Bernalillo County Air Quality Control Board (A/BCAQCB) Regulation Title 20, New Mexico Administrative Code (20 NMAC), Chapter 11, Part 40 (20.11.40 NMAC), Air Contaminant Source Registration; and A/BCAQCB Regulation Title 20, NMAC, Chapter 11, Part 41 (20.11.41 NMAC), Construction Permits; **New Mexico Terminal Services, LLC.** (Company or Permittee) is hereby issued this **CONSTRUCTION PERMIT** and authorized to operate the following equipment at:

Facility / Location	Facility Process Description	SIC	NAICS
New Mexico Terminal Services 9615 Broadway Boulevard SE Albuquerque, NM 87105 UTMN: 3869300 UTME: 347500	400-ton per hour Hot Mix Asphalt Plant, 140 ton per hour Recycled Asphalt Pavement crushing and screening Plant and 133-ton per hour Aggregate Railcar Unloading Terminal	2951	324121

This **CONSTRUCTION** permit number 3340-RMD has been issued based on the review of the application received by the Albuquerque Environmental Health Department (Department), Air Quality Program (Program) on February 23, 2018, the additional information received on May 6, 2019 and August 25, 2020, on the National Ambient Air Quality Standards, New Mexico Ambient Air Quality Standards, and on the Air Quality Control Regulations for Albuquerque/Bernalillo County, as amended. As these standards and regulations are updated or amended, the applicable changes will be automatically incorporated into permit number 3340-RMD and will apply to the Facility.

Issued on the 26th day of October , 2	020				
Ireal J. Javary					
Isreal Tavarez, Environmental Health Manager					
Air Quality Program					
Environmental Health Department					
City of Albuquerque					

Table of Contents

I.	CONDITIONS
1.	Construction and Operation
2.	Unit Emission Limits
3.	Monitoring15
4.	Recordkeeping17
5.	Reporting19
6.	Compliance Tests
7.	Modifications
8.	Administrative and Technical Revisions
9.	Compliance Assurance/ Enforcement
10	Posting of the Permit
11	. Annual Fees
II.	ADDITIONAL REQUIREMENTS
1.	Permit Cancellation
2.	Contact Information
III.	LIST OF ACRONYMS, units AND ABBREVIATIONS
IV.	APPENDIX A: Figures
1.	Overview of NMTS Facility
2.	Permitted Roads for the HMA
3.	Permitted Road to Rail Unloading Operation
4.	Permitted Roads for the RAP
5.	NMTS Facility Equipment Diagram
V.	APPENDIX B: Estimated HAP Emissions

I. CONDITIONS

Conditions have been imposed in this permit to assure continued compliance. 20.11.41.19.D NMAC, states that any term or condition imposed by the Department on a permit or permit modification is enforceable to the same extent as a regulation of the Board. Pursuant to 20.11.41 NMAC, the facility is subject to the following conditions:

1. Construction and Operation

Compliance will be based on (1) Program inspections of the Facility concerning adherence to all conditions in this permit and compliance with all applicable regulations, whether or not identified in this permit; and (2) reviews of production records.

- A. This new permit authorizes following activities at the Facility:
 - 1) a hot mix asphalt (HMA) Production Process which includes:
 - a) a 400- ton per hour (tph) HMA Plant, and
 - b) a 140-tph recycled asphalt pavement (RAP) crushing and screening Plant;
 - 2) a 133-tph aggregate railcar-unloading terminal and transport off-site by truck the aggregate not used in the HMA Production Process;
 - 3) aggregate storage piles and truck loading; and,
 - 4) haul roads.
- **B.** The HMA process is authorized to conduct the following HMA Operations:
 - 1) utilize virgin aggregate, RAP, mineral filler and asphalt cement in the hot asphalt mix;
 - 2) transport RAP and mineral filler on and off-site by haul truck; and,
 - 3) transport off-site by truck the hot mix asphalt product.
- C. The HMA Production Process is authorized to operate the following storage piles and equipment :
 - 1) a 400-tph HMA Plant:
 - a) HMA Cold Aggregate Feed Bins (6)
 - b) HMA Cold Aggregate Feed Bin Conveyor
 - c) HMA Scalping Screen
 - d) HMA Scalping Screen Conveyor
 - e) HMA Pug Mill
 - f) HMA Scale Conveyor
 - g) HMA Slinger Conveyor
 - h) HMA Mineral Filler Silo
 - i) HMA Drum Dryer/Mixer
 - j) HMA Incline Conveyor
 - k) HMA Silos (3)
 - l) HMA Heater, and
 - m) HMA Cement Storage Tanks (2)
 - a 140-tph RAP Plant:
 - a) RAP Storage Pile
 - b) RAP Bin

2)

c) RAP Crusher

- d) RAP Crusher Conveyor
- e) RAP Screen
- f) RAP Screen Conveyor
- g) RAP Screen Transfer Conveyor, and
- h) RAP Screen Transfer Conveyor
- **D.** Aggregate can be used in the asphalt mix and it will be delivered by railcar and offloaded using a railcar bottom dump hopper, transfer conveyors, and radial telescoping stacker to storage piles.
- **E.** This permit authorizes the construction and operation of the following equipment:

Process Units Number	Process Units Description	Manufacturer	Model Number	Serial Number	Manufacture Date	Installation Date	Rated Process Rate
1	Railcar Hopper	TBD	TBD	TBD	TBD	TBD	133.3 tph
2	Rail Hopper Conveyor	TBD	TBD	TBD	TBD	TBD	133.3 tph
3	Rail Telescoping Conveyor	TBD	TBD	TBD	TBD	TBD	133.3 tph
4	Aggregate Storage Piles	N/A	N/A	N/A	N/A	TBD	133.3 tph
5	Aggregate Truck Loading	N/A	N/A	N/A	N/A	TBD	100 tph
6	HMA RAP Storage Pile	N/A	N/A	N/A	N/A	TBD	140 tph
7	HMA Cold Aggregate Feed Bins (6)	TBD	TBD	TBD	TBD	TBD	230 tph
8	HMA Cold Aggregate Feed Bin Conveyor	TBD	TBD	TBD	TBD	TBD	230 tph
9	HMA Scalping Screen	TBD	TBD	TBD	TBD	TBD	230 tph
10	HMA Scalping Screen Conveyor	TBD	TBD	TBD	TBD	TBD	230 tph
11	HMA Pug Mill	TBD	TBD	TBD	TBD	TBD	236 tph
12	HMA Scale Conveyor	TBD	TBD	TBD	TBD	TBD	236 tph
13	HMA Slinger Conveyor	TBD	TBD	TBD	TBD	TBD	236 tph
14	HMA RAP Bin	TBD	TBD	TBD	TBD	TBD	140 tph
15	HMA RAP Crusher	TBD	TBD	TBD	TBD	TBD	140 tph
16	HMA RAP Crusher Conveyor	TBD	TBD	TBD	TBD	TBD	140 tph
17	HMA RAP Screen	TBD	TBD	TBD	TBD	TBD	140 tph
18	HMA RAP Screen Conveyor	TBD	TBD*	TBD	TBD	TBD	140 tph
19	HMA RAP Screen Transfer Conveyor	TBD	TBD	TBD	TBD	TBD	140 tph

Table 1a: Permitted Process Equipment

Process Units Number	Process Units Description	Manufacturer	Model Number	Serial Number	Manufacture Date	Installation Date	Rated Process Rate
20	HMA RAP Screen Transfer Conveyor	TBD	TBD	TBD	TBD	TBD	140 tph
21	HMA Mineral Filler Silo	TBD	TBD	TBD	TBD	TBD	25 tph max
22	HMA Drum Dryer/Mixer	TBD	TBD	TBD	TBD	TBD	400 tph
23	HMA Incline Conveyor	TBD	TBD	TBD	TBD	TBD	400 tph
24	HMA Silos (3)	TBD	TBD	TBD	TBD	TBD	400 tph
25	HMA Heater	TBD	TBD	TBD	TBD	TBD	2.5 MMBtu/hr
26	HMA Cement Storage Tanks (2)	TBD	TBD	TBD	TBD	TBD	5206 gal/hr
27	Haul Roads	N/A	N/A	N/A	N/A	N/A	27 trucks/hr
28	HMA Yard**	N/A	N/A	N/A	N/A	TBD*	400 tph

*To Be Determined (TBD)

**HMA Yard is defined as the 8-minute period immediately following the load-out according to AP-42, Hot Mix Asphalt Plants, 11.1.2.5 – Fugitive Emissions from Production Operations

Table 1b: Air Pollution Control Equipment

Control Equipment	Unit Number Controlled by Control Equipment	Manufacturer	Model Number	Serial Number	Rated Flow	Control Efficiency
Silo Baghouse*	21 – Mineral Silo	TBD	TBD	TBD	Unknown**	99%
Mixer Baghouse ¹	22 – Drum/ Dyer Mixer	TBD	TBD	TBD	32,000 ACFM	99.8%

*. Each baghouse stack must meet the opacity limits and standards for particulate matter according to 40 CFR 60 Subpart I, §60.92

**-Rated flow for the silo baghouse to be provided in startup report as required in Permit Condition I.5.C.

Process Units Number	Process Units Description	Unit Subject to NSPS
1	Railcar Hopper	No
2	Rail Hopper Conveyor	No
3	Rail Telescoping Conveyor	No
4	Aggregate Storage Piles	No
5	Aggregate Truck Loading	No
6	HMA RAP Storage Pile	No
7	HMA Cold Aggregate Feed Bins (6)	No
8	HMA Cold Aggregate Feed Bin Conveyor	No
9	HMA Scalping Screen	No
10	HMA Scalping Screen Conveyor	No
11	HMA Pug Mill	No

Table 1c: Process Equipment Federal Applicability

Process Units Number	Process Units Description	Unit Subject to NSPS
12	HMA Scale Conveyor	No
13	HMA Slinger Conveyor	No
14	RAP Bin	No
15	RAP Crusher	Yes, NSPS OOO
16	RAP Crusher Conveyor	Yes, NSPS OOO
17	RAP Screen	Yes, NSPS OOO
18	RAP Screen Conveyor	Yes, NSPS OOO
19	RAP Screen Transfer Conveyor	Yes, NSPS OOO
20	RAP Screen Transfer Conveyor	Yes, NSPS OOO
21	HMA Mineral Filler Silo	Yes, NSPS I
22	HMA Drum Dryer/Mixer	Yes, NSPS I
23	HMA Incline Conveyor	Yes, NSPS I
24	HMA Silos (3)	Yes, NSPS I
25	HMA Heater	Yes, NSPS I
26	HMA Cement Storage Tanks (2)	Yes, NSPS I

- **F.** The Facility is not permitted to use generators or engines to power the HMA Plant. The HMA Plant must be powered only by commercial line power.
- G. All equipment shall be maintained as per manufacturer specifications to ensure the emissions remain at or below the permitted levels. Additionally, all equipment at all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility 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 Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. This is according to §60.11(D), Subpart A General Provision of the New Source Performance Standards (NSPS), Code of Federal Regulations (CFR), Title 40, Part 60.
- **H.** This Facility shall be constructed and operated in accordance with information provided on the permit application received February 23, 2018, the additional information received on May 6, 2019 and August 25, 2020, in accordance with the legal authority specified above, and the conditions of this permit, whichever is more stringent.
- I. The HMA Plant has commenced construction or modification after June 11, 1973. Therefore, the Facility is subject to 60 CFR Part 60, Subpart I Standards of Performance for Hot Mix Asphalt Facilities, and Subpart A General Provisions.
 - 1) Stack emissions from Process Unit #21 HMA Mineral Filler Silo shall be routed to the HMA Mineral Filler Silo Baghouse (Silo Baghouse) at all times to comply with 40 CFR 60, Subpart I:

- a) Particulate emissions to the atmosphere from Silo Baghouse shall not exceed 0.04 grains/dry standard cubic foot of particulate matter from the stack outlet and shall not exhibit 20% opacity or greater; and,
- b) Particulate emissions to the atmosphere from the Silo Baghouse and the Process Unit #21 HMA Mineral Filler Silo Baghouse loadout shall each not exhibit 20% opacity or greater.
- Stack emissions from Process Unit #22 HMA Drum Dryer/Mixer shall be routed to the HMA Drum Dryer/ Mixer Baghouse (Mixer Baghouse) at all times to comply with 40 CFR 60, Subpart I.
- J. The RAP plant is subject to federal NSPS, CFR, Title 40, Part 60, Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants because it will be constructed after August 31, 1983, and capable of processing greater than 25 tons per hour of material. The crushers for the HMA Plant (Units 15 and 16) are subject to Table 3 of Subpart OOO for facilities that commence construction after April 22, 2008.
- **K.** Replacement of emission units for which an allowable emissions limit has been established in the permit may be requested by the permittee through a technical permit revision if the proposed replacement meets the provisions of 20.11.41.28.B.
- **L.** The following operational restrictions apply to the facility:
 - 1) Fencing/ barrier consistent with the air dispersion modeling submitted February 23, 2018 shall be installed and maintained so that it restricts public access to the property prior to the beginning of operation; all property within the fenceline/barriers must be continuously owned or controlled by the permittee.
 - 2) The HMA Plant shall not exceed 400 tons per hour production.
 - 3) The HMA Plant shall not exceed the following daily production limits:
 - a) during the months of December through February, the total daily production is limited to 3,200 tons;
 - b) during the months of March through May, the total daily production is limited to 4,000 tons; and,
 - c) during the months of June through November, the total daily production is limited to 4,800 tons.
 - 4) The HMA Plant shall not exceed 800,000 tons per year of total annual production based on a 12month rolling total.
 - 5) The HMA Plant (except for Process Unit #25 and paved/unpaved aggregate haul roads) shall be subject to seasonal limitations on operation:
 - a) during the months of December through February, 4am to 9pm, 7 days per week; and,
 - b) during the months of March through November, continuously.
 - 6) The RAP Plant shall not exceed 140 tons per hour throughput.

- 7) The RAP Plant shall not exceed the following daily throughput limits:
 - a) during the months of December through February, the total daily throughput is limited to 1,120 tons;
 - b) during the months of March through May, the total daily throughput is limited to 1,400 tons; and,
 - c) during the months of June through November, the total daily throughput is limited to 1,680 tons.
- 8) The RAP Plant shall not exceed 280,000 tons per year of total annual throughput based on a 12month rolling total.
- 9) The RAP Plant shall be subject to seasonal limitations on operation:
 - a) during the months of December through February, 4am to 9pm, 7 days per week; and,
 - b) during the months of March through November, continuously.
- 10) The following Facility process units and activities may operate continuously:
 - a) railcar and truck operations (Process Units #1, #2, #3 and #5);
 - b) the heater (Process Unit #25); and,
 - c) rail hopper truck traffic on paved aggregate haul road (PAGG) and unpaved aggregate haul roads as shown in Appendix A.
- 11) Railcar unloading operations are limited to 3200 tons of aggregate per day;
- 12) Truck traffic at the facility is permitted only at the haul roads shown in Figures 1 thru 4 of Appendix A, and as included in the air dispersion modeling submitted with the application.
- 13) The Facility is limited to the following truck traffic:
 - a) a maximum of 487 trucks per day from December to February; and,
 - b) a maximum of 648 trucks per day from March to November
- 14) The Facility is subject to seasonal operating restrictions based on air dispersion modeling of the Facility at this location to demonstrate compliance with the National Ambient Air Quality Standards and New Mexico Ambient Air Quality Standards for NO2, CO, SO2, PM2.5, and PM10.
- 15) Process Unit #22 is authorized to burn either on-specification used oil meeting the specifications listed in 40 CFR §279.11 or natural gas/propane as the fuel.
- 16) Process Unit #25 is authorized to burn natural gas/propane or low sulfur diesel. Low sulfur diesel consists of diesel fuel with a maximum sulfur content of 15 ppm.
- 17) Each person shall use reasonably available control measures or any other effective control measure during active operations or on inactive disturbed surface areas, as necessary to prevent the release of fugitive dust, whether or not the person is required by 20.11.20 NMAC to obtain a fugitive dust control permit.

- M. All Facility sources must remain at least 150 ft. from the property fence as depicted in the air dispersion modeling files provided in the application, with the exception of (1) the rail car, (2) the rail car hopper, (3) the railcar conveyor, (4) the railcar telescoping conveyer, (5) railcar transfer points and (6) the entrance road.
- **N.** The railcar, the railcar hopper, the railcar hopper conveyor, the railcar telescoping conveyor, and the rail car transfer points must be at least 40 feet from the fenceline.
- **O.** The entrance road as identified in the figures in Section IV Attachments shall be paved. Please see Section IV Attachments for identification of the sections of the road (HMAP and PAGG) that must be paved.
- **P.** Material storage piles shall be watered sufficiently frequently to prevent fugitive dust emissions from leaving the property.
- **Q.** Process Units #8 and #11 shall each be operated with an atomized water spray bar. This condition has been placed in the permit based on air dispersion modeling of the Facility at this location to demonstrate compliance with the National Ambient Air Quality Standards and New Mexico Ambient Air Quality Standards for PM2.5 and PM10.
- **R.** Each baghouse for the HMA Mineral Silo (Process Unit #21) and the HMA Drum/Dryer Mixer (Process Unit #22) shall have a differential pressure gauge that measures pressures between the inlet and outlet of the baghouse.
- **S.** The HMA Mineral Silo (Process Unit #21) and/or HMA Drum/ Dryer Mixer (Process Unit #22) shall be shut down in the event of a malfunction of the corresponding baghouse that causes the differential pressure to go outside of operating range as determined through compliance testing or manufacturer specifications, and repairs shall be made to the affected equipment. The HMA Mineral Silo and/or HMA Drum/ Dryer Mixer shall not restart operations until the capture and control equipment for Units #21 and #22 are fully functional.
- **T.** Each person shall use reasonably available control measures or any other effective control measure during active operations or on inactive disturbed surface areas, as necessary to prevent the release of fugitive dust, whether or not the person is required by 20.11.20 NMAC to obtain a fugitive dust control permit.
- **U.** In accordance with 20.11.20.12.E, stockpiles shall be no higher than 15 feet above the existing natural or man-made grade that abuts the stockpile, unless otherwise approved in advance and in writing by the Department.
- **V.** All inactive disturbed surface areas must be stabilized and maintained in stable condition by the permittee to control fugitive dust.
- W. The permittee must implement the following available control measures in accordance with 20.11.20.23 NMAC:

- 1) Unpaved roadways:
 - a) using dust suppressants applied in amounts, frequency and rates recommended by the manufacturer and maintained as recommended by the manufacturer; and,
 - b) using wet suppression and millings.
- 2) High wind contingency measures:
 - a) using wetting agents or surfactants on disturbed areas, bulk materials or stockpiles; and,
 - b) shutting down active operations.
- 3) Applying wet suppression on a sufficient basis to prevent fugitive dust from active stock piles from leaving the property.
- **X.** Before initiating operation, the permittee shall notify the Program of an email address for the Facility to receive Program-initiated shut down notices in the case of high wind events. Upon receiving such notices, the Facility shall shut down as soon as practical.
- **Y.** The conditions in this permit have been placed in the permit based on air dispersion modeling of the facility at this location to demonstrate compliance with the National Ambient Air Quality Standards and New Mexico Ambient Air Quality Standards for NO2, CO, SO2, PM2.5 and PM10.
- **Z.** Changes in plans, specifications, and other representations proposed in the application documents shall not be made if they will increase the potential to emit or cause a change in the method of control of emissions or in the character of emissions. Any such proposed changes shall be submitted as a modification to this permit. No modification shall begin prior to issuance of a permit.
- **AA.** The emission of a regulated air pollutant in excess of the quantity, rate, opacity, or concentration specified in an air quality regulation or permit condition that results in an excess emission is a violation of the air quality regulation or permit condition and may be subject to an enforcement action. If the owner or operator of a source having an excess emission chooses to continue to operate it while the excess emission continues, the owner or operator shall take all appropriate measures consistent with good air pollution control practices for minimizing emissions. This condition has been placed in the permit in accordance with 20.11.49.14 NMAC.

2. Unit Emission Limits

Condition 2 has been placed in the permit in accordance with 40 CFR 60 Subpart I and Subpart OOO, and 20.11.41.19.B NMAC, to allow the Department to determine compliance with the terms and conditions of the permit. These were the process and emission rates stated in the permit application and are the basis of the Department's review. Compliance will be based on Department inspections of the facility and upon compliance with the emission limits and opacity readings conducted in accordance with the test methods specified in Condition 6 – Compliance Tests.

A. The Facility shall not exceed the following permitted process rates in the table below. The permitted hourly and annual emissions were calculated based on this information:

Unit #	Emission Unit Description	Control Method and Efficiency (CE) (%)	Permitted Process Rate
1	Railcar Hopper	N/A	133.3 tph
2	Rail Hopper Conveyor	95.33% CE and Watering	133.3 tph
3	Rail Telescoping Conveyor	95.33% CE and Watering	133.3 tph
4	Aggregate Storage Piles	N/A	133.3 tph
5	Aggregate Truck Loading	Limited Throughput	100 tph 708,000 tpy
6	HMA RAP Storage Pile	Limited Throughput	140 tph 280,000 tpy
7	HMA Cold Aggregate Feed Bins (6)	Limited Throughput	230 tph 460,000 tpy
8	HMA Cold Aggregate Feed Bin Conveyor	Limited Throughput, 95.33% CE and Watering	230 tph 460,000 tpy
9	HMA Scalping Screen	Limited Throughput, 91.2% CE and Watering	230 tph 460,000 tpy
10	HMA Scalping Screen Conveyor	Limited Throughput, 95.33% CE and Watering	230 tph 460,000 tpy
11	HMA Pug Mill	Limited Throughput, 95.33% CE and Watering	236 tph 472,000 tpy
12	HMA Scale Conveyor	Limited Throughput, 95.33% CE and Watering	236 tph 472,000 tpy
13	HMA Slinger Conveyor	Limited Throughput, 95.33% CE and Watering t	236 tph 472,000 tpy
14	HMA RAP Bin	Limited Throughput	140 tph 280,000 tpy
15	HMA RAP Crusher	Limited Throughput, 77.78% CE and Watering	140 tph 280,000 tpy
16	HMA RAP Crusher Conveyor	Limited Throughput, 95.33% CE and Watering	140 tph 280,000 tpy
17	HMA RAP Screen	Limited Throughput, 91.2% CE and Watering	140 tph 280,000 tpy
18	HMA RAP Screen Conveyor	Limited Throughput, 95.33% CE and Watering	140 tph 280,000 tpy
19	HMA RAP Screen Transfer Conveyor	Limited Throughput, 95.33% CE and Watering	140 tph 280,000 tpy
20	HMA RAP Screen Transfer Conveyor	Limited Throughput, 95.33% CE and Watering ut	140 tph 280,000 tpy
21	HMA Mineral Filler Silo	Limited Throughput and 99.9% CE Baghouse	25 tph 12,000 tpy

 Table 2a:
 Process Units Operational Limitations

Unit #	Emission Unit Description	Control Method and Efficiency (CE) (%)	Permitted Process Rate
22	HMA Drum Dryer/Mixer	Limited Throughput and	400 tph
		99.8% CE Baghouse	800,000 tpy
23	HMA Incline Conveyor	Limited Throughput	400 tph
23	Thivia memic conveyor	Linited Intoughput	800,000 tpy
24		Limited Theory have	400 tph
24	HMA Silos (3)	Limited Inroughput	800,000 tpy
	HMA Heater		Diesel Engine
25		N/A	19.5 gal/hr
25			Propane
			27.3 gal/hr
26	HMA Cement Storage Tanks (2)	Limited Throughput	5,206,074 gal/yr
		Limited throughput	
			27 Trucks per hour
27	Haul Roads	90% CE, Watering,	Dec – Feb: 487 trucks/ day
		Millings and Dust	Mar – Nov: 648 trucks/ day
		Suppressants	
28	HMA Vard	Limited throughout	400 tph
20	HWA Talu	Linned throughput	800,000 tpy

Note: Figure 5 in Appendix A provides a schematic of the equipment.

B. The Facility shall not exceed the emission limits stated in the tables below. Tons per year emissions shall be based on a 12-month rolling total.

Unit No.	NOx lb/hr	NOx tpy	CO lb/hr	CO tpy	VOC lb/hr	VOC tpy	SO2 lb/hr	SO2 tpy	PM ₁₀ lb/hr	PM ₁₀ tpy	PM _{2.5} lb/hr	PM _{2.5} tpy
1									0.03	0.11	0.004	0.02
2									0.006	0.03	0.002	0.008
3									0.006	0.03	0.002	0.008
4									0.30	1.30	0.05	0.20
5									0.22	0.79	0.03	0.12
6									0.09	0.09	0.01	0.01
7									0.51	0.51	0.08	0.08
8									0.01	0.01	0.003	0.003
9									0.17	0.17	0.01	0.01
10									0.01	0.01	0.003	0.003
11									0.01	0.01	0.007	0.008
12									0.01	0.01	0.003	0.003
13									0.01	0.01	0.003	0.003
									0.09	0.09	0.01	0.01

Table 2b-1: Emission Limits

Unit No.	NOx lb/hr	NOx tpy	CO lb/hr	CO tpy	VOC lb/hr	VOC tpy	SO2 lb/hr	SO2 tpy	PM ₁₀ lb/hr	PM ₁₀ tpy	PM _{2.5} lb/hr	PM _{2.5} tpy
14												
15									0.08	0.08	0.003	0.004
16									0.006	0.006	0.002	0.002
17									0.10	0.10	0.007	0.007
18									0.006	0.006	0.002	0.002
19									0.006	0.006	0.002	0.002
20									0.006	0.006	0.002	0.002
21									0.12	0.03	0.009	0.002
22 ¹	22	22	52	52	13	13	23	23	9.2	9.2	9.2	9.2
23			0.47	0.47	4.9	4.9			0.23	0.23	0.23	0.23
24			0.54	0.54	1.7	1.7			0.21	0.21	0.21	0.21
25 ²	0.39	1.71	0.20	0.90	0.03	0.12	0.14	0.61	0.04	0.17	0.04	0.17
26					0.03	0.13						
27									1.99	2.28	0.30	0.37
28			0.14	0.14	0.44	0.44						
Total	22.4	23.7	53.4	54.1	20.1	20.3	23.1	23.6	13.5	15.5	10.2	10.7

¹Emission Unit #22 can burn only one fuel at a time, used oil or natural gas/propane. The maximum emissions rate in this table are from burning used oil.

²Emission Unit #25 can burn only one fuel at a time, natural gas/ propane or diesel. The maximum emissions rate in this table are from burning either natural gas/ propane or diesel.

Pollutant	Emissions in Tons per Year (TPY)
Formaldehyde	1.24
Toluene	1.16
Total HAP ^{1, 2}	4.20

Table 2b-2: Permitted HAPs In Excess of 1 Ton

^T</sup>The total HAP emissions may not agree with the sum of individual HAPs because only individual HAPs greater than 1 tpy are listed in this table.</sup>

²*The estimated HAP emissions in the application are provided in Appendix B for informational purposes.*

C. The Process Units are subject to the compliance requirements in the following table, as described in the conditions of this permit

Unit No.	Percent Opacity ¹	Monitoring ²	Recordkeeping ²	Reporting ²	Compliance Testing ³
1	20%	N/A	N/A	N/A	N/A
2	20%	Yes	Yes	Yes	No
3	20%	Yes	Yes	Yes	No

Table 2c: Process Equipment Compliance Requirements

Unit No.	Percent Opacity ¹	Monitoring ²	Recordkeeping ²	Reporting ²	Compliance Testing ³
4	20%	Yes	Yes	Yes	No
5	20%	Yes	Yes	Yes	No
6	20%	Yes	Yes	Yes	No
7	20%	Yes	Yes	Yes	No
8	20%	Yes	Yes	Yes	No
9	20%	Yes	Yes	Yes	No
10	20%	Yes	Yes	Yes	No
11	20%	Yes	Yes	Yes	No
12	20%	Yes	Yes	Yes	No
13	20%	Yes	Yes	Yes	No
14	20%	Yes	Yes	Yes	No
15	12%	Yes	Yes	Yes	No
16	7%	Yes	Yes	Yes	No
17	7%	Yes	Yes	Yes	No
18	7%	Yes	Yes	Yes	No
19	7%	Yes	Yes	Yes	No
20	7%	Yes	Yes	Yes	No
21	20%	Yes	Yes	Yes	No
22	20%	Yes	Yes	Yes	Yes
23	20%	Yes	Yes	Yes	No
24	20%	Yes	Yes	Yes	No
25	20%	Yes	Yes	Yes	No
26	20%	Yes	Yes	Yes	No
27	N/A	Yes	Yes	Yes	No
28	20%	Yes	Yes	Yes	No

¹Compliance with the opacity emission limit shall be determined in accordance with the test procedures in 20.11.5. 15 NMAC ²Refer to Conditions 3, 4 and 5 for unit specific record keeping/monitoring, and reporting requirements ³Refer to Condition 6 for unit specific compliance testing requirements

- **D.** Emission Unit #15 shall not cause or allow fugitive emissions that exceed 12 percent opacity as specified in 40 CFR Part 60, Subpart OOO, §60.672 (b) and Table 3.
- **E.** Emission Units #16 through 20, and all affected transfer points shall not cause or allow fugitive emissions that exceed 7 percent opacity as specified in 40 CFR Part 60, Subpart OOO, §60.672 (b) and Table 3. Opacity shall be determined using Method 9 and the procedures of §60.11.
- **F.** Emission Units #21 and #22 shall not discharge gases into the atmosphere, which contain particulate matter in excess of 90 milligrams per dry standard cubic meter (mg/dscm) or 0.04 grains per dry standard cubic feet (gr/dscf) in accordance with 40 CFR Part 60, Subpart I §60.92(a)(1).

- **G.** Emission Units #21 and #22 shall not exceed 20 percent opacity for any six (6) minute timed average in accordance with 40 CFR Part 60, Subpart I §60.92 (a)(2). Opacity shall be determined using Method 9 and the procedures of §60.11.
- **H.** The remaining units, except for the haul roads (Emission Unit #27), shall not cause or allow fugitive emissions that exceed 20 percent opacity six (6) minute time-average. Opacity shall be determined using Method 9. This condition is pursuant to 20.11.5.12 and 20.11.5.15 NMAC.

3. Monitoring

Condition 3 has been placed in the permit in with 20.11.41.19.B(4) NMAC and 20.11.41.19.C(3),(4),(5),(6) and (7) NMAC to allow the Program to determine compliance with the terms and conditions of the permit. The permittee shall install the appropriate equipment deemed necessary by the Program for performance testing and continuous emissions monitoring.

- A. Monitor the daily, hourly, monthly, seasonal, and annual production throughput (in tons) for the HMA Plant.
- **B.** Monitor the daily and seasonal hours of operation for the HMA Plant.
- C. Monitor the hourly, monthly, seasonal and annual production of RAP.
- **D.** Monitor the daily and seasonal hours for the RAP.
- **E.** Monitor the number of trucks entering and leaving the Facility to demonstrate compliance with the daily limit of trucks at the haul roads.
- **F.** Monitor Emission Units #21 and #22 as described below while the HMA Plant is operating. Monitoring shall be conducted to confirm proper operation of the Silo and Mixer Baghouses.
 - 1) Emission Unit #21 Mineral Filler Silo:
 - a) Monitor the Silo Baghouse differential pressure once each calendar week during delivery truck loading to silo or if a delivery is not performed in the calendar week, then monitor the pressure differential during the next delivery truck loading to silo. This is to show that airflow is being maintained in compliance with the manufacturer's specifications;
 - b) The Silo Baghouse differential pressure shall be monitored for the duration of the silo loading;
 - c) Filling of the Silo shall cease immediately if the pressure drop is not within the manufacturer's specified normal operating range or the range correlating with opacity tests demonstrating compliance with the 40 CFR 60, NSPS I opacity limits. Loading shall not re-commence until the cause of the deviation is determined and rectified;
 - d) Method 9 Opacity tests shall be conducted according to the requirements of 40 CFR 60, Subpart I and Appendix A;
 - e) At least once each calendar week, the Permittee shall conduct an EPA Method 9 Opacity test on the Silo Baghouse for the duration of the silo batch loading to verify that the Silo Baghouse is not damaged, that the silo stack is secured to and emissions are routed to the

Silo Baghouse, and that compliance with 40 CFR 60, NSPS I opacity limits is demonstrated;

- f) Monitor once per calendar week the inspection of the Silo Baghouse of the interior and exterior of the fabric/cartridge filters for evidence of leaking, damaged and/or missing filters and take appropriate corrective actions to restore filters to proper operation before resuming normal operations; and,
- g) Inspect and replace filter bags according to the manufacturer's documentation or more frequently as indicated by weekly Silo Baghouse inspections.
- 2) Emission Unit #22 HMA Drum Dryer/Mixer:
 - a) During operation, the Mixer Baghouse differential pressure shall be monitored at once every hour, at a minimum, during daylight operations; and it shall be monitored continuously during night-time. This is to show that airflow is being maintained in compliance with the manufacturer's specifications;
 - b) Operations shall cease immediately if the pressure drop is not within the manufacturer's specified normal operating range or the range correlating with opacity tests demonstrating compliance with the 40 CFR 60, NSPS I opacity limits. Operations shall not re-commence until the cause of the deviation is determined and rectified;
 - EPA Method 9 Opacity tests shall be conducted according to the requirements of 40 CFR 60, Subpart I and Appendix A;
 - d) At least once each calendar week, the Permittee shall conduct a EPA Method 9 Opacity test on the Mixer Baghouse to verify that the Mixer Baghouse is not damaged, that the stack(s) is/are secured, that emissions are routed to the Baghouse, and that compliance with 40 CFR 60, NSPS I opacity limits is demonstrated;
 - e) Concurrently during any visible emissions monitoring of the Mixer Baghouse, differential pressure shall be monitored every 1 minute, at a minimum;
 - f) Operations shall cease immediately if the pressure drop is not within the manufacturer's specified normal operating range or the range correlating with opacity tests demonstrating compliance with the 40 CFR 60, NSPS I opacity limits. Operations shall not recommence until the cause of the deviation is determined and rectified;
 - g) Monitor once per calendar week the inspection of the Mixer Baghouse of the interior and exterior of the fabric/cartridge filters for evidence of leaking, damaged and/or missing filters and take appropriate corrective actions to restore filters to proper operation before resuming normal operations; and,
 - h) Inspect and replace filter bags according to the manufacturer's documentation or more frequently as indicated by the weekly Mixer Baghouse inspections.
- **G.** Monitor the application of water and/or chemical surfactant to haul roads and the daily application of water material storage piles of raw material
- **H.** Conduct daily inspections of Process Units #8 and #11 to make sure that the atomized water spray bars are working. The HMA plant shall be shutdown if the water spray bars are not working properly. The HMA plant shall not re-start operations until repairs have been completed such that spray bars are working as originally intended by the manufacturer.

- I. Monitor fugitive dust emissions and the potential for fugitive dust to carry beyond the property line and measures taken to mitigate such issues.
- J. Monitor the date and time when the Facility shuts down during high wind events.
- **K.** The permittee shall monitor the hour of operation.

4. Recordkeeping

Condition 4 has been placed in the permit in accordance with 20.11.41.19.B(4) NMAC and 20.11.41.19.C(8), (10) and (11) NMAC to allow the Program to determine compliance with the terms and conditions of the permit.

- **A.** Maintain records of the daily and monthly production throughput (in tons) for the HMA Plant. Throughput records shall include daily, hourly, monthly, seasonal and annual throughputs and compare the actual throughputs to the throughputs allowed in this permit.
- **B.** Maintain daily records of the number of hours of operation for the HMA Plant from December 1st through the last day of February. These records shall also include the start and stop times for each day of plant operation. Hours of operation records shall include daily, hourly, and seasonal hours of operation to compare with the hours of operation allowed by this permit.
- **C.** Maintain daily records of the hours of operation of RAP and the hourly and daily total throughput including daily calculations of the RAP production rate.
- **D.** Maintain records of the hourly, daily, monthly and annual truck traffic for the following:
 - 1) At the entrance to demonstrate compliance with the haul road emission and throughput limitations; and,
 - 2) Railcar and truck loading and unloading throughput in tons.
 - 3) Throughput records shall be maintained in order to calculate daily, hourly, monthly, seasonal, and annual throughputs.
- **E.** Maintain records of the Method 9 observations for emission units #15 through 20, to demonstrate compliance with 40 CFR 60, Subpart OOO, §60.972 and Table 3 of this subpart.
- F. Maintain the following recordkeeping requirements to comply with 40 CFR 60, NSPS Subpart I:
 - 1) For the Emission Unit #21 Mineral Filler Silo, the permittee must:
 - a) Keep records of the process equipment's manufacturing specifications;
 - b) Keep records of the date and start/stop times of each silo loading and of the EPA Method 9 opacity observations required weekly. The Silo Baghouse differential pressure shall be recorded for the duration of silo loading and compare those reading to the manufacturer's specification;

- c) A copy of the manufacturer's equipment specifications and preventive maintenance plan for the Silo Baghouse; or the most recent performance test that provides the normal differential pressure range;
- d) Record the Silo Baghouse manufacturer's specified normal differential pressure range or the performance test normal differential pressure range, and the differential pressure readings and the simultaneous percent opacity readings that correlate with compliance requirements pursuant to the 40 CFR 60, NSPS Subpart I opacity limit. The Permittee shall have these records available at all times of operation;
- e) Keep records of any excessive deviation in the Silo Baghouse differential pressure, the cause of the deviation, the time silo loading ceased for repairs, the time silo loading commenced after repairs, and the corrective actions taken;
- f) Keep records of the inspections conducted once per calendar week of the Silo Baghouse of the interior and exterior of the filters for evidence of leaking, damaged and/or missing filters and take appropriate corrective actions to restore filters to proper operation before resuming normal operations. The records shall include the unit #, the date the inspection was conducted, the inspection results and any corrective actions taken as a result of the required inspections; and,
- g) Keep the manufacturer's documentation on filter inspection and filter replacement requirements for the Silo Baghouse.
- 2) For the Emission Unit #22 HMA Drum Dryer/Mixer, the permittee must:
 - a) Keep records of the EPA Method 9 monthly opacity observations;
 - b) Record the Drum Dryer/Mixer Baghouse differential pressure readings during the opacity observations;
 - c) Record the Drum Dryer/Mixer Baghouse manufacturer's specified normal differential pressure range along with the differential pressure readings and the simultaneous percent opacity readings that correlate with compliance requirements pursuant to the 40 CFR 60, NSPS I opacity limit. The Permittee shall have these records available at all times of operation. The Drum Dryer/Mixer Baghouse differential pressure shall be recorded once per hour of operation, at a minimum, during daylight operations;
 - d) Keep records of any excessive deviation in differential pressure, the cause of the deviation, the time operations ceased for repairs, the time operations commenced after repairs, and the corrective actions taken;
 - e) Keep records of the differential pressure during night operations. The Drum Dryer/Mixer Baghouse differential pressure shall be recorded continuously using the data logger;
 - f) Keep records of the inspections conducted once per calendar week of the Drum Dryer/Mixer Baghouse of the interior and exterior of the filters for evidence of leaking, damaged and/or missing filters and take appropriate corrective actions to restore filters to proper operation before resuming normal operations. The records shall include the unit #, the date the inspection was conducted, the inspection results and any corrective actions taken as a result of the required inspections; and,
 - g) Keep the manufacturer's documentation on filter inspection and filter replacement requirements for the Drum Dryer/Mixer Baghouse.
- **G.** Maintain the following records of the used fuel oil delivered to the site to be used in Emission Unit #22:

- 1) All fuel delivery manifests shall state the type of fuel delivered and all manifests shall be retained; and,
- 2) Analysis or certification from the transporter, demonstrating that each shipment of used oil meets the fuel specification of 40 CFR §279.11; or,
- 3) An annual certification from each supplier, indicating that all shipments of used oil will meet the fuel specification of 40 CFR §279.11.
- **H.** If the Emission Unit #25 operates with diesel fuel, the permittee must maintain records to demonstrate the use of only low-sulfur diesel.
- **I.** Maintain records of the application of water and/or chemical surfactant to haul roads including records of the date, time and quantity of water applied to each emission unit.
- **J.** Maintain records of the daily application of water to raw material storage piles. If application of water is not required, the daily record shall indicate why application was not necessary (i.e. recent rain, snowfall, etc.).
- **K.** Maintain record of the daily inspections of the operation of the atomized water spray bar of Units #8 and #11. The permittee shall keep records
- **L.** Maintain records of the daily observation of fugitive dust and the potential for fugitive dust to carry beyond the property line and a description of measures taken to mitigate such issues.
- **M.** Maintain records of the date and time the Facility is shut down due to high wind events and the date and time the Facility re-opened after a shut down for high winds.

5. Reporting

Condition 5 has been placed in the permit in accordance with 20.11.41.21 NMAC and 20.11.90 NMAC to allow the Program to determine compliance with the terms and conditions of the permit. Compliance will be based on timely submittal of the reports, notifications, and required information and shall be made in accordance with CFR Title 40, Part 60, Subpart A - General Provisions and 20.11.41.21 NMAC.

The permittee shall notify the Program in writing of:

- **A.** The date construction (40 CFR 60.7(a)(1)) is commenced, postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form;
- **B.** The anticipated startup of the source not less than thirty (30) days prior to that date (20.11.41.21.A(1) NMAC and 40 CFR 60.7(a)(1)), to include the equipment manufacturer and model numbers for each piece of equipment listed in the Process Equipment Table;

- **C.** The actual date of initial startup accompanied by a Startup Report within fifteen days after the initial startup date. The Startup Report shall include: a detailed list fully characterizing the equipment listed in the Process Equipment Table including:
 - 1) equipment manufacturer;
 - 2) serial numbers for each piece of equipment;
 - 3) date of manufacture of each piece of equipment;
 - 4) the installation date for each piece of equipment;
 - 5) the rated flow in ACFM for the Silo Baghouse controlling Unit 21, including a complete list of all manufacturer's recommended operational parameters including the recommended differential pressure and the recommended limit on pressure drop during silo loading and a copy of the manufacturer's manuals containing the original recommended operational parameters including all recommendations regarding maintenance, repair and operation
- **D.** Any change in control or ownership, name, address, or contact information for the Facility within 15 days of the effective date of the change. In the event of any such change in control or ownership, the permittee shall notify the succeeding owner of the existence of the permit and shall provide a true and correct copy of the permit to the new owner. The permit conditions apply to the new owner in the event of any change in control or ownership of the Facility. At minimum, an administrative permit revision is required to request any change in control or ownership of the Facility. The permittee may request an administrative permit revision in accordance with 20.11.41.28.A NMAC;
- **E.** Any permit update or correction as required by 20.11.41 NMAC no more than 60 days after the permittee knows or should have known about the condition that requires updating or correction of the permit (20.11.41.21.A(6) NMAC);
- **F.** Within thirty (30) days of starting operations at the site, the permittee shall email the Program the contact information, including email address, for the Facility to receive the Program's shut down notices in case of a high wind event.
- **G.** Any changes in the Facility's contact information for shut down notices in case of high winds no later than the date such changes occur. Such reports shall state the date when the change is effective.
- **H.** An updated annual (January 1 through December 31 of previous calendar year) emissions inventory for the source by March 15 every year which shall include annual hours of operation, and the annual production throughput in tons.
- **I.** The permittee of a source having an excess emission shall provide the Program with the following reports on forms provided by the Program:

- 1) INITIAL REPORT: The permittee shall file an initial report, no later than the end of the next regular business day after the time of discovery of an excess emission pursuant to 20.11.49.15.A(1) NMAC;
- 2) FINAL REPORT: The permittee shall file a final report, no later than 10 days after the end of the excess emission. If the period of an excess emission extends beyond 10 days, the permittee shall submit the final report to the Program within 72 hours of the date and time the excess emission ceased. This condition is pursuant to 20.11.49.15.A(2) NMAC and 20.11.49.15.C NMAC; and,
- 3) ALTERNATIVE REPORTING: If the Facility is subject to the reporting requirements of 40 CFR Parts, 60, 61, and 63 and the federal requirements duplicate the requirements of 20.11.49.15 NMAC, then the federal reporting requirements shall suffice. This condition is pursuant to 20.11.49.15.D NMAC.

6. Compliance Tests

Condition 6 has been placed in the permit in accordance with CFR Title 40, Part 60, Subpart A General Provisions, 20.11.41.22 NMAC and 20.11.90.13 NMAC. Compliance will be based on the satisfactory completion of the compliance tests, the timely submittal of the emission unit test results to the Program, and on meeting the emission limits specified in Condition 2.

- **A.** Unless previously completed, in accordance with 40 CFR 60, Subpart OOO §60.672(b), 20.11.41.22 NMAC and 20.11.90.13 F. NMAC, Performance Testing Following Startup and Performance Tests respectively, an initial performance test shall be conducted on Emission Units #15 through 20, along with affected transfer points, to demonstrate compliance with the opacity standards established in Condition I.2.a). The compliance tests shall be conducted in accordance with EPA Method 9 found in Appendix A of 40 CFR 60, and the procedures found in Subpart A of 40 CFR 60.11. These tests shall be conducted within 60 days after achieving the maximum production rate at which affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Department.
- **B.** Mixer Baghouse for the Emission Unit #22 :
 - Initial compliance tests shall be conducted in order to demonstrate compliance with the standard for particulate matter of any gas pursuant to 40 CFR 60, Subpart I §60.92(a)(1), and the standard for opacity pursuant to 40 CFR 60, Subpart I §60.92(a)(2). Initial compliance tests of the hot mix drum Baghouse shall be conducted utilizing used oil or natural gas/propane within the timeframes specified in Condition I.6.f).
 - 2) Initial compliance tests shall also be conducted in order to demonstrate compliance of the lb/hr emission limits for NOX and CO stated in Condition 2. Initial compliance tests of the hot mix drum Baghouse shall be conducted utilizing used oil or natural gas/propane, depending on which fuel is available in the field, within the timeframes specified in Condition I.6.f).

- 3) Annual compliance tests have been imposed on the Mixer Baghouse to demonstrate compliance with the standard for particulate matter of any gas pursuant to 40 CFR 60, Subpart I §60.92(a)(1), and the standard for opacity pursuant to 40 CFR 60, Subpart I §60.92(a)(2).
- 4) Annual compliance tests of the Mixer Baghouse shall be conducted utilizing used oil as the fuel. Compliance tests shall be conducted in accordance with EPA methods contained in Appendix A of 40 CFR, Part 60, unless otherwise approved by the Program.
- C. The initial compliance tests shall be conducted within 60 days after achieving the maximum production rate at which the newly constructed or modified stationary source will be operated, but no late than 180 days of initial startup of the newly constructed or modified source. (20.11.41.22 NMAC and CFR Title 40, Subpart A "General Provisions").
- **D.** Compliance tests for the remainder of the Facility have not been imposed at this time.
- **E.** Compliance tests may be reimposed if inspections of the source indicate non-compliance with permit conditions or the previous test showed non-compliance with permit conditions or was technically unsatisfactory.
- **F.** The owner or operator (permittee) shall notify the Program at least 30 days prior to any test imposed on the permittee and allow a representative of the Program to be present at the test. (40 CFR 60.8(d), Subpart A)
- **G.** The permittee shall provide a written test protocol for the Program's approval at least 15 days prior to the anticipated test date. The protocol shall describe the test methods to be used (including sampling locations), and shall describe data reduction procedures. Any variation from the established sampling and analytical procedures or from Facility standard operating conditions shall be presented for Program approval and shall not occur unless Program approval has first been provided in writing.
- H. The tests shall be conducted at ninety (90%) percent or greater of the Facility's permitted capacity to demonstrate compliance with the permitted emission limits. Compliance testing at other than 90% production levels shall be performed at the Program's request and/or approval. (40 CFR § 60.8(c), Subpart A)
- **I.** One copy of the compliance test results for any imposed test shall be submitted to the Program Enforcement Section within 30 days after the completion of testing. The test results shall conform to the standard format specified by the Program.
- J. The frequency of compliance tests for Emission Unit #22 may be reduced by the Program if the source has shown continual compliance with the emission limits stated in this permit and inspections of the source have demonstrated compliance with all conditions of this permit. The permittee may submit to the Program a written petition for a request to waive any compliance test imposed by the Program. The petition must be approved by the Program prior to waiving a compliance test. A waiver request must be received at least 60 days before the due date of a test.

Emission Unit	Initial Compliance Testing	Frequency of Compliance Test		
15 through 20 and all affected conveyor	Opacity	Not Poquirod*		
and stacker transfer points	Opacity	Not Required		
HMA Drum Dyer /Mixer Baghouse	NOx, CO, Particulate Matter	Annually for Particulate Matter		
(Used oil as fuel in drum)	and Opacity	and Opacity		

Table 6a: Unit Specific Compliance Testing

*Compliance tests have not been imposed for this unit at this time; but may imposed if inspections of the source indicate noncompliance with permit conditions

7. Modifications

Condition 7 has been placed in the permit in accordance with 20.11.41.7.U NMAC, to enable the Program to review proposed changes to the Facility which may constitute a permit modification prior to such changes. Compliance will be based on Program inspections, the submittal of a new permit application for any modification and the issuance of a modified permit before any modification takes place.

A. Any future physical changes or changes in the method of operation which results in an increase in the pre-controlled emission rate or emission of a contaminant not previously emitted may constitute a modification as defined by 20.11.41.7.U NMAC. No modification shall begin prior to issuance of a permit. Modifications or revisions to this permit shall be processed in accordance with 20.11.41 NMAC.

8. Administrative and Technical Revisions

Condition 8 has been placed in the permit in accordance with 20.11.41.28.A and B NMAC, respectively, to enable the Program to make administrative or technical revision to a permit. Compliance will be based on the Program inspections, the timely submittal of the request for an administrative or technical revision, and the issuance of a technical revision before the changes take place.

9. Compliance Assurance/ Enforcement

All air pollution emitting facilities within Bernalillo County are subject to all applicable Albuquerque/Bernalillo County Air Quality Control Regulations, whether listed in this permit or not.

- **A.** The issuance of a permit or registration does not relieve the Facility from responsibility of complying with the provisions of the Air Quality Control Act, and the laws and regulations in force pursuant to the Act. (20.11.41.18 NMAC).
- **B.** Any conditions imposed upon the Facility in a Construction Permit or any other permit issued by the Program shall be enforceable to the same extent as a regulation of the Board. (20.11.41.19.D NMAC).
- **C.** The Program is authorized to issue a compliance order requiring compliance and assessing a civil penalty not to exceed Fifteen Thousand and no/100 Dollars (\$15,000) per day of noncompliance for each violation or to commence a civil action in district court for appropriate relief, including a temporary and permanent injunction. (74-2-12 NMSA).

- **D.** Scheduled and Unscheduled Inspection (74-2-13 NMSA) -- The Program will conduct scheduled and unscheduled inspections to insure compliance with the Air Quality Control Act, the laws and regulations in force pursuant to the Act, and this permit. Upon presentation of credentials the Program:
 - 1) Shall have a right of entry to, upon, or through any premises on which an emission source is located or on which any records required to be maintained by regulations of the Board or by any permit condition are located;
 - 2) May at any reasonable time have access to and copy any records required to be established and maintained by Regulations of the Board, or any permit condition;
 - 3) May inspect any monitoring equipment and method required by Regulations of the Board or by any permit condition; and,
 - 4) Sample any emissions that are required to be sampled pursuant to Regulation of the Board, or any permit condition.
- **E.** Any credible evidence may be used to establish whether the Facility has violated or is in violation of any regulation of the Board, or any other provision of law. Credible evidence and testing shall include, but is not limited to (20.11.41.27A and B NMAC):
 - 1) A monitoring method approved for the source pursuant to 20.11.42 NMAC "Operating Permits" and incorporated into an operating permit;
 - 2) Compliance methods specified in the Regulations, conditions in a permit issued to the Facility, or other provision of law;
 - iii. Federally enforceable monitoring or testing methods, including methods in CFR Title 40 Parts 51, 60, 61, and 75; and,
 - 4) Other testing, monitoring or information-gathering methods that produce information comparable to that produced by any CFR method and approved by the Program and EPA.

10. Posting of the Permit

Condition 10 has been placed in the permit in accordance with 20.11.41.19.B(4) NMAC to allow the Program to determine compliance based on inspections of the Facility, which show that a copy of the permit has been posted in a visible location. A copy of this permit shall be posted in a visible location at the plant site at all times. The permit shall be made available to Program personnel for inspection upon request.

11. Annual Fees

Condition 11 has been placed in the permit in accordance with 20.11.2 NMAC to allow the Program to determine compliance with the terms and conditions of the permit. Compliance will be based on the timely receipt of the annual emissions fee due each year to the Program pursuant to 20.11.2 NMAC. Every owner or operator (permittee) of a source that is required to obtain a source registration, a construction permit, an operating permit, or a preconstruction permit shall pay an annual emissions fee pursuant to 20.11.2 NMAC, 20.11.40 NMAC, 20.11.41 NMAC, 20.11.42 NMAC, 20.11.60 NMAC, 20.11.61 NMAC, or 20.11.62 NMAC.

Fee Pollutant	Tons per Year
Carbon Monoxide (CO)	54
Oxides of Nitrogen (NOx)	24
Particulate Matter (PM10)*	16
Oxides of Sulfur (SOx)	24
Volatile Organic Compounds (VOC)	20
Hazardous Air Pollutants (HAP)	4
Facility Wide Fee - Total Emissions	138

Table 11a: Facility Wide Fee Pollutants based on Annual Emissions

*Note: This total includes controlled annual emissions for storage piles and haul roads,

II. ADDITIONAL REQUIREMENTS

1. Permit Cancellation

The Program may cancel any permit if the construction or modification has not commenced within two (2) years from the date of issuance or if, during the construction or modification, work is suspended for a total of one (1) year pursuant to 20.11.41.20.B NMAC.

2. Contact Information

Application for permit modifications, relocation notices and items listed under ADDITIONAL REQUIREMENTS shall be submitted to:

Albuquerque Environmental Health Department Air Quality Program Permitting Division P.O. Box 1293 Albuquerque, New Mexico 87103

Test protocols and compliance test reports shall be submitted to:

Albuquerque Environmental Health Department Air Quality Program Attention: Enforcement Supervisor P.O. Box 1293 Albuquerque, New Mexico 87103

All compliance reports shall be submitted to:

Albuquerque Environmental Health Department Air Quality Program Attention: Compliance Supervisor P.O. Box 1293

III. LIST OF ACRONYMS, UNITS AND ABBREVIATIONS

Acronym, Unit or Abbreviation	Description
ACFM	Atmospheric Cubic Feet per Minute
CFR	Code of Federal Regulations
СО	Carbon Monoxide
EPA	Environmental Protection Agency
gr/dscf	Grains per Dry Standard Cubic Feet
НАР	Hazardous Air Pollutants
НМА	Hot Mix Asphalt Plant
НМАР	HMA Haul Road Paved
lb/hr	Pounds per Hour
mg/dscm	Milligrams per Dry Standard Cubic Meter
MMBtu/hr	Million BTU per Hour
NMAC	New Mexico Administrative Code
NO2	Nitrogen Dioxide
NSPS	New Source Performance Standards
PAGG	Aggregate Haul Road Paved
PM10	Particulate Matter 10
PM2.5	Particulate Matter 2.5
ppm	Parts Per Million
RAP	Recycled Asphalt Pavement
SO2	Sulfur Dioxide
TBD	To Be Determined
tph	Ton per Hour
tpy	Tons per Year
TSP	Total Suspended Particles
UPA	Aggregate Haul Road Unpaved
VOC	Volatile Organic Compounds
ACFM	Atmospheric Cubic Feet per Minute

IV. APPENDIX A: FIGURES

Figure	1. Overview of NMTS Facility	Legend	
Permit Number:	3340-RMD		Permit Site Boundary
Permit Name:	New Mexico Terminal Services		
Facility Address:	9615 Broadway Boulevard SE Albuquerque, New Mexico	*****	Approximate location permitted roads for the HMA Plant which includes the RAP, and Aggregate Rail Unloading Operations
			Note: Image is not to scale



Permit Number 3340-RMD Page **29** of **37**

Figure:	2. Permitted Roads for the HMA	Legend	
Permit Number:	3340-RMD		Permit Site Boundary
Permit Name:	New Mexico Terminal Services		Unpaved Asphalt Road (ASP) approximate location
Facility Address:	9615 Broadway Boulevard SE Albuquerque, New Mexico	/	HMA Paved Road (HMAP) approximate location
			Two-direction road
			One-direction road
			Note: Image is not to scale



Permit Number 3340-RMD Page **30** of **37**

Figure:	3. Permitted Road to Rail Unloading Operation	<u>Legend</u>	
Permit Number:	3340-RMD		Permit Site Boundary
Permit Name:	New Mexico Terminal Services	/	Unpaved Aggregate Road (UPA) approximate location – Traffic in both directions
Facility Address:	9615 Broadway Boulevard SE Albuquerque, New Mexico	···	Paved Aggregate Road (PAGG) approximate location – Traffic in both directions
			Two-direction road
			One-direction road
			Note: Image is not to scale



RMD Rage **31** of **37**

Figure:	4. Permitted Roads for the RAP	Legend	
Permit Number:	3340-RMD		Permit Site Boundary
Permit Name:	New Mexico Terminal Services		Unpaved Road for the RAP approximate location
Facility Address:	9615 Broadway Boulevard SE Albuquerque, New Mexico		HMA Paved Road (HMAP) approximate location
			Two-direction road
			One-direction road
			Note: Image is not to scale



Permit Number 3340-RMD Page 32 of 37

Figure:	5. NMTS Facility Equipment Diagram	Legend	
Permit Number:	3340-RMD	Source:	NMTS Application, Attachment A, Page A-1
Permit Name:	New Mexico Terminal Services		
Facility Address:	9615 Broadway Boulevard SE Albuquerque, New Mexico		
			Note: Image is not to scale



V. APPENDIX B: ESTIMATED HAP EMISSIONS

Source: New Mexico Terminal Services Application, Attachment B – Emission Calculations, Pages B31 to B33

Table B-13: HAPs Emission Rates from the Drum Dryer/Mixer EPA HAPS Emissions Drum Mixer Hot Mix Asphalt Plant with Fabric Filter

400	tons per hour			
900000	tons per year			
Waste Fuel Oil				
AP-42 Section 11.1 T	ables 11.1-10, 11.1-12			
		Emission	Emission	Emission
		Factor	Rate	Rate
CAS#		(lbs/ton)	(lbs/hr)	(ton/yr)
75-07-0		1.3E-03	0.520000	0.520000
107-02-8		2.6E-05	0.010400	0.010400
71-43-2		3.9E-04	0.156000	0.156000
100-41-4		2.4E-04	0.096000	0.096000
50-00-0		3.1E-03	1.240000	1.240000
110-54-3		9.2E-04	0.368000	0.368000
540-84-1		4.0E-05	0.016000	0.016000
78-93-3		2.0E-05	0.008000	0.008000
123-38-6		1.3E-04	0.052000	0.052000
106-51-4		1.6E-04	0.064000	0.064000
71-55-6		4.8E-05	0.019200	0.019200
108-88-3		2.9E-03	1 160000	1.160000
1330-20-7		2.0E-04	0.080000	0.080000
	Total Non-PAH HAPS	9.5E-03	3.789600	3.789600
		Emission	Emission	Emission
		Factor	Rate	Rate
CAS#		(lbs/ton)	(lbs/hr)	(ton/yr)
91-57-6		1.7E-04	0.068000	0.068000
83-32-9		1.4E-06	0.000560	0.000560
208-96-8		2.2E-05	0.008800	0.008800
120-12-7		3.1E-06	0.001240	0.001240
56-55-3		2.1E-07	0.000084	0.000084
50-32-8		9.8E-09	0.000004	0.000004
205-99-2		1.0E-07	0.000040	0.000040
192-97-2		1.1E-07	0.000044	0.000044
191-24-2		4.0E-08	0.000016	0.000016
207-08-9		4.1E-08	0.000016	0.000016
218-01-9		1.8E-07	0.000072	0.000072
2000 44 0		6.1E-07	0.000244	0.000244
206-44-0				
206-44-0 86-73-7		1.1E-05	0.004400	0.004400
206-44-0 86-73-7 193-39-5		1.1E-05 7.0E-09	0.004400 0.00000 3	0.004400 0.000003
206-44-0 86-73-7 193-39-5 91-20-3		1.1E-05 7.0E-09 6.5E-04	0.004400 0.000003 0.260000	0.004400 0.000003 0.260000
206-44-0 86-73-7 193-39-5 91-20-3 198-55-0		1.1E-05 7.0E-09 6.5E-04 8.8E-09	0.004400 0.000003 0.260000 0.000004	0.004400 0.000003 0.260000 0.000004
206-44-0 86-73-7 193-39-5 91-20-3 198-55-0 85-01-8		1.1E-05 7.0E-09 6.5E-04 8.8E-09 2.3E-05	0.004400 0.000003 0.260000 0.000004 0.009200	0.004400 0.000003 0.260000 0.000004 0.009200
206-44-0 86-73-7 193-39-5 91-20-3 198-55-0 85-01-8 129-00-0		1.1E-05 7.0E-09 6.5E-04 8.8E-09 2.3E-05 3.0E-06	0.004400 0.000003 0.260000 0.000004 0.009200 0.001200	0.004400 0.000003 0.260000 0.000004 0.009200 0.001200
	400 900000 Waste Fuel Oil AP-42 Section 11.1 T CAS# 75-07-0 107-02-8 71-43-2 100-41-4 50-00-0 110-54-3 540-84-1 78-93-3 123-38-6 106-51-4 71-55-6 108-88-3 1330-20-7 CAS# 91-57-6 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 192-97-2 191-24-2 207-08-9 218-01-9 206-44-0	400 tons per hour 900000 tons per year Waste Fuel Oil AP-42 Section 11.1 Tables 11.1-10, 11.1-12 CAS# 75-07-0 107-02-8 71-43-2 100-41-4 50-00-0 110-54-3 540-84-1 78-93-3 123-38-6 106-51-4 71-55-6 108-88-3 1330-20-7 Total Non-PAH HAPS CAS# 91-57-6 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 192-97-2 191-24-2 207-08-9 218-01-9 206-44-0	400 tons per hour 900000 tons per year Waste Fuel Oil AP-42 Section 11.1 Tables 11.1-10, 11.1-12 Emission Factor CAS# 2.6E-05 71-43-2 3.9E-04 100-41-4 2.4E-04 50-00-0 3.1E-03 110-54-3 9.2E-04 50-00-0 3.1E-03 110-54-3 9.2E-04 540-84-1 4.0E-05 78-93-3 2.0E-05 123-38-6 1.3E-04 106-51-4 1.6E-04 71-55-6 4.8E-05 108-88-3 2.9E-03 130-20-7 2.0E-04 70tal Non-PAH HAPS 9.5E-03 130-20-7 2.0E-04 70tal Non-PAH HAPS 9.5E-03 130-20-7 2.0E-04 70tal Non-PAH HAPS 9.5E-05 120-12-7 3.1E-06 56-55-3 2.1E-07 50-32-8 9.8E-09 205-99-2 1.0E-07 192-97-2 1.0E-07 191-24-2 4.0E-08 205-99-2 1.0E-07	400 tons per hour 900000 tons per year Waste Fuel Oil AP-42 Section 11.1 Tables 11.1-10, 11.1-12 Emission Factor (Ibs/ton) 75-07-0 1.3E-03 0.520000 107-02-8 2.6E-05 0.010400 71-43-2 3.9E-04 0.156000 100-41-4 2.4E-04 0.096000 50-00-0 3.1E-03 1.240000 110-54-3 9.2E-04 0.368000 540-84-1 4.0E-05 0.016000 71-55-6 4.8E-05 0.019200 106-51-4 1.6E-04 0.064000 71-55-6 4.8E-05 0.019200 108-88-3 2.9E-03 1.160000 130-20-7 2.0E-04 0.08000 130-20-7 2.0E-04 0.08000 1330-20-7 2.0E-04 0.08000 1330-20-7 2.0E-04 0.08000 1330-20-7 2.0E-04 0.08000 1330-20-7 3.789600 2.2E-05 0.00800 1333-2.9 1.4E-06 0.000560 2.8E-03 3.1E-07<

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Page B-31

New Mexico Terminal Services, LLC – Emission Rate Calculations

HAPS Metals		Emission Factor (lbs/ton)	Emission Rate (lbs/hr)	Emission Rate (ton/yr)
Arsenic		5.6E-07	0.000224	0.000224
Beryllium		0.0E+00	0.000000	0.000000
Cadmium		4.1E-07	0.000164	0.000164
Chromium		5.5E-06	0.002200	0.002200
Cobalt		2.6E-08	0.000010	0.000010
Hexavalent Chromium		4.5E-07	0.000180	0.000180
Lead		1.5E-05	0.006000	0.006000
Manganese		7.7E-06	0.003080	0.003080
Mercury		2.6E-06	0.001040	0.001040
Nickel		6.3E-05	0.025200	0.025200
Phosphorus		2.8E-05	0.011200	0.011200
Selenium		3.5E-07	0.000140	0.000140
	Total Metals HAPS	1.2E-04	0.049438	0.049438
	Total HAPS		4.193	4.193

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Btu Rating	2.5	MMBtu/hr	(based on 128000 Btu/gallon)
Fuel Usage:	19.5	gallons/hr	
Btu x 10^-12/hr:	2.5E-06	Btu x10^-12	(based on 128000 Btu/gallon)
Yearly Operating Hours:	8760	hours per year	

Table B-14: HAPs Emission Rates from the Asphalt Heater

Type of Fuel:DieselEmission FactorsAP-42 Section 1.3

Organic Compounds	CAS#		Emission Factor (lbs/10^3 gal)	Emission Rate (lbs/hr)	Emission Rate (ton/yr)
Acenaphthene	83-32-9		211E-05	0.000000	0.000002
Acenaphthylene	208-96-8		2.53E-07	0.000000	0.0000002
Anthracene	120-12-7		1.22E-06	0.000000	0.000000
Renzene	71-43-2		214E-04	0.000004	0.000018
Benzo(a)anthracene	56-55-3		4 01E-06	0.000000	0.000000
Benzo(b k)fluoranthene	205-99-2		1.48E-06	0.000000	0.000000
Benzo(g,h,I)pervlene	191-24-2		2.26E-06	0.000000	0.000000
Chrysene	218-01-9		2.38E-06	0.000000	0.000000
Dibenz(a, h)anthracene			1.67E-06	0.000000	0.000000
Ethylbenzene	100-41-4		6.36E-05	0.000001	0.000005
Fluoranthene	206-44-0		4.84E-06	0.000000	0.000000
Fluorene	86-73-7		4.47E-06	0.000000	0.000000
Formaldehyde	50-00-0		6.10E-02	0.001190	0.005210
Indeno(1,2,3-cd)pyrene	193-39-5		2.14E-06	0.000000	0.000000
Naphthalene	91-20-3		1.13E-03	0.000022	0.000097
Phenanthrene	85-01-8		1.05E-05	0.000000	0.000001
Pyrene	129-00-0		4.25E-06	0.000000	0.000000
Toluene	108-88-3		6.20E-03	0.000121	0.000530
Xylene	1330-20-7		1.09E-04	0.000002	0.000009
		Total Organic Compounds	6.88E-02	0.001341	0.005874
HAPS Metals			Emission Factor (lbs/Btu^12)	Emission Rate (lbs/hr)	Emission Rate (ton/yr)
Arsenic			4	0.000010	0.000044
Beryllium			3	0.000008	0.000033
Cadmium			3	0.000008	0.000033
Chromium			3	0.000008	0.000033
Lead			9	0.000023	0.000099
Manganese			6	0.000015	0.000066
Mercury			3	0.000008	0.000033
Nickel			3	0.000008	0.000033
Selenium			15	0.000038	0.000164
		Total Metals HAPS	49	0.000123	0.000537
		Total HAPS		0.00280	0.00641

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Page B-33