



**Environmental Health Department
Air Quality Division
Interoffice Memorandum**



Tim Keller, Mayor

Sandra K. Begay, Director

To: Permit File

From: Regan Eyerman, Environmental Health Scientist

Date: May 23, 2019

Subject: Permit #3340-RMD and Certificate of Registration, **Airs #NM/001/02442, Facility ID: FA0007616; Record ID: PR0009169**

Location: New Mexico Terminal Services, LLC, 9615 Broadway Blvd. SE, Albuquerque, NM 87105, UTMN: 3869300 UTME: 347500

Proposal: New Mexico Terminal Services, LLC has submitted a construction air quality permit application to the Air Quality Program (Program) of the City of Albuquerque Environmental Health Department for a new permit. The permit is for a 400 ton/hr hot mix asphalt plant (HMA) to be located at 9615 Broadway Blvd. SE in Albuquerque, NM. The owner of this facility is New Mexico Terminal Services, 9615 Broadway Blvd. SE, Albuquerque, NM 87105. The application package included detailed emissions calculations which were reviewed for accuracy and completeness.

The facility is a portable HMA production plant with railcar unloading and truck loading operations, and with aggregate and recycled asphalt pavement (RAP) products handling. The equipment and activities proposed to be operated at the Facility will consist of one (1) rail hopper, one (1) rail hopper conveyor, one (1) rail telescoping conveyor, one (1) aggregate truck loading, one (1) HMA scale conveyor, one (1) HMA slinger conveyor, one (1) hot mix drum, one (1) hot mix drum baghouse, six (6) cold feed bins, one (1) cold feed conveyor, one (1) cold feed scalping screen, one (1) scalping screen conveyor, one (1) cold feed pug mill, one (1) mineral filler silo, one (1) mineral filler silo baghouse, one (1) HMA RAP bin, two (2) HMA RAP screen conveyors, one (1) HMA RAP screen, one (1) HMA RAP screen conveyor, one (1) HMA incline conveyor, one (1) fuel oil fired hot oil heater, two (2) HMA cement storage tanks, one (1) RAP crusher plant, one (1) RAP crusher plant conveyor, three (3) HMA silos, HMA yard, plant haul roads, and aggregate/RAP storage piles.

A control efficiency of 91-95% on emissions will be achieved through a water injection system. Additionally a control efficiency of above 99% will be achieved using baghouses on the filler silo and the drum mixer. Material storage pile and haul road emissions are to be regulated under Fugitive Dust Control 20.11.20.12A. NMAC General Provisions.

Applicability: **Source Registration, 20.11.40.6 NMAC**
Any source which emits more than 2000 lbs of any air contaminant per year must obtain a Registration Certificate from the Program.

Construction Permit, 20.11.41 NMAC

20.11.41.2.C.(1) – Applicable as the applicant will be installing equipment which is subject to 20.11.63 NMAC.

Permit Fees, 20.11.2 NMAC

Permit application review fees:

20.11.2.18.C.(4) – Permits for proposed sources with a proposed allowable emission rate equal to or greater than 50 tons per year and less than 75 tons per year: \$5,035.00.

20.11.2.18.D(1) – Review fee for 40 CFR 60 standards is \$1,119.00

The Department received proof of payment of \$4937 on March 12, 2018. The remaining \$1217 will be invoiced.

Note: CPI adjusted review fees are shown and went into effect January 1, 2018

Annual emissions fee:

20.11.2.21.B – Sources shall pay a minimum annual emissions fee of \$212.00 flat or \$50.00 per ton, whichever is greater.

Note: CPI adjusted annual fees are shown and went into effect January 1, 2019.

General Provisions, 20.11.1 NMAC

New Source Performance Standards (NSPS), 20.11.63 NMAC

20.11.63.11 – Federal Standard at 40 CFR Part 60, Subpart I for Hot Mix Asphalt Plants. The unit was constructed after June 11, 1973.

Visible Air Contaminants, 20.11.5 NMAC

20.11.5.12 -- No person shall cause or allow visible emissions from any source to exceed 20 percent opacity, 6 minute timed average.

Ambient Air Quality Standards, 20.11.8 NMAC

Stationary sources must demonstrate compliance with the Federal and State ambient concentration standards specified in 20.11.8.13 NMAC.

Fugitive Dust Control, 20.11.20 NMAC

20.11.20.12.A – No person shall allow fugitive dust, track out, or transported material from vehicle traffic areas and haul roads to be carried beyond the property line, right-of-way, easement or any other area under control of the person generating or allowing the fugitive dust. To mitigate fugitive dust, all inactive disturbed surface areas must be stabilized and maintained in stable condition by the owner, operator, or person responsible for maintenance of the disturbed surface.

Administration, Enforcement, Inspection, 20.11.90 NMAC

20.11.90.13.A- The owner or operator of any stationary source of an air contaminant shall, upon notification by the Director, maintain records of the nature and amounts of emissions, to which an air quality control emission regulation applies, from the source and any other information as may be deemed necessary by the Director to determine whether the source is in compliance with applicable regulations.

20.11.90.13.E-The Director shall establish a periodic visual surveillance system to detect and investigate apparent violations of visible emission limitations and such complaints relating to apparent violations of the regulations as may occur.

20.11.90.14.A-Upon request of the Director, the person responsible for the emission of air contaminants for which limits are established by the 20.11 NMAC rules shall provide such facilities, utilities, and openings exclusive of instrument and sensing devices, as may be necessary for the proper determination of the nature, extent, quantity and degree of such air contaminants. Such facilities may be either temporary or permanent at the discretion of the person responsible for their provisions; and shall be suitable for determination consistent with emission limits established in these Parts.

Public Notice: Public notice for this permit was published on March 27, 2018. The public comment period ended on April 26, 2018. A request for a public information hearing was received by Ms. Nora Garcia, President of Mountain View Neighborhood Association, via email on April 10, 2018.

Compliance: The following permit conditions apply:

1. Fencing/barriers shall be installed and maintained restricting access to the property;
2. Hot mix asphalt (HMA) production shall not exceed a 400 tph production rate;
3. Recycled asphalt pavement (RAP) production shall not exceed a 140 tons per hour (tph) production rate;
4. The HMA plant (except Process Units #1, 2, 3, 5 and 25 and paved/unpaved aggregate haul roads PAGG and UPA) shall operate seasonally:
 - i. during the months of December through February, 4am to 9pm, 7 days per week;
 - ii. during the months of March through November, continuously.
5. Railcar and truck operations and the heater (Process Units #1, 2, 3, 5 and 25) and paved/unpaved aggregate haul roads (PAGG and UPA) may operate continuously year-round;
6. For the HMA plant the total annual production is limited to 800,000 tons:
 - i. during the months of December through February, the total daily production is limited to 3200 tons;
 - ii. during the months of March through May, the total daily production is limited to 4000 tons;
 - iii. during the months of June through November, the total daily production is limited to 4800 tons.
7. Railcar unloading operations are limited to 3200 tons per day;
8. As the above conditions show, the Facility is restricted to seasonal operating scenarios. These conditions 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, PM_{2.5}, PM₁₀, and TSP;
9. 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;
10. Process Unit #25 is authorized to burn natural gas/propane or low sulfur diesel;
11. Except for railcar operations and the entrance road, HMA sources must remain at least 150 ft. from the property fence;
12. The entrance road shall be paved;
13. Material storage piles shall be watered to control fugitive dust emissions from leaving the property;
14. Process Units #8, 11 and 14 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 PM_{2.5}, PM₁₀, and TSP;
15. In the event of a malfunction causing the differential pressure for the Process Unit 22 baghouse to go near zero, the Facility shall be shut down and repairs shall be made to the affected equipment. Startup of the Facility shall not commence until the capture and control equipment is fully functional;
16. Vehicle traffic areas and haul roads shall be maintained and controlled pursuant to 20.11.20.12.A. NMAC, General Provisions, Fugitive Dust Control;
17. In accordance with 40CFR 60, Subpart I §60.92(a)(1), Emission Units #21 and 22 shall not

- discharge gases into the atmosphere, which contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf);
34. In accordance with 40CFR 60, Subpart I §60.92 (a)(2), Emission Units #21 and 22 shall not exceed 20 percent opacity for any six (6) minute timed average;
 35. Pound per hour (lb/hr) Nitrogen Oxides (NO_x) and/or Carbon Monoxide (CO) emission rates for Emission Units #22 and 25 shall be based on a 3-hour average;
 36. Except for the haul roads (Emission Unit #27), the remaining units shall not cause or allow fugitive emissions that exceed 20 percent opacity six (6) minute time-average. This condition is pursuant to 20.11.5.12 NMAC;
 37. Maintain records of the daily and monthly production throughput (in tons) for the HMA Plant;
 38. In December through February, maintain daily records of the number of hours of operation for the HMA Plant;
 39. Maintain records of the daily and monthly railcar and truck loading and unloading throughput in tons;
 40. Maintain continuous data log of pressure differentials for the Emission Unit #22 baghouse during night operation to show that airflow is being maintained.
 41. Record and log the daily haul truck traffic on roads PAGG and UPA;
 42. Maintain records of the specification reports in the used fuel oil delivered to the site for use by Emission Unit #22
 43. Maintain records of the application of water and/or chemical surfactant to haul roads and 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.).
 44. The permittee shall notify the Department in writing of:
 - i. Any change in control or ownership, name, address, or contact information. The permittee may request an administrative permit revision in accordance with 20.11.41.28.A NMAC;
 - ii. 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);
 - iii. The anticipated date of the switch of fuel in the hot mix drum (Emission Unit #22) not less than thirty (30) days prior to that date; and,
 - iv. An annual (January 1 through December 31 of the previous year) emissions inventory to include the annual hours of operation for the Facility together with descriptions of any reconfiguration of process technology and air pollution equipment by March 15 every year. The emissions inventory shall be calculated based on each individual pollutant's permitted pound per hour rate and reported for the actual hours of operation. Emission rates that are determined through compliance testing shall be used for all emission inventory reporting requirements (20.11.41.21.B NMAC).
 45. For the Emission Unit #22 baghouse, 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 fuel/waste oil or natural gas/propane, depending on which fuel is available in the field, within the timeframes specified in Condition I.6.d).
 46. For the Emission Unit #22 baghouse, initial compliance tests shall also be conducted in order to demonstrate compliance of the lb/hr emission limits for NO_x and CO stated in Condition 2. Initial compliance tests of the hot mix drum baghouse shall be conducted utilizing fuel/waste oil or natural gas/propane, depending on which fuel is available in the field, within the timeframes specified in Condition I.6.e).
 47. Annual compliance tests have been imposed on Emission Unit #22 baghouse to demonstrate compliance with the standard for particulate matter of any gas pursuant to 40CFR 60, Subpart I §60.92(a)(1), and the standard for opacity pursuant to 40 CFR 60, Subpart I §60.92(a)(2). Annual compliance tests of the hot mix drum baghouse shall be conducted utilizing fuel/waste oil or

natural gas/propane as the fuel. Compliance tests shall be conducted in accordance with EPA methods contained in Appendix A of 40CFR, Part 60, unless otherwise approved by the Department.

Actions Taken:

- 2/23/2018 Received application
- 3/23/2018 Application received and ruled complete
- 4/10/2018 Request for PIH received by Nora Garcia, President of Mountain View Neighborhood Association
- 4/17/2018 Permit extension request approved by Department Director
- 6/26/2018 Air dispersion model review completed
- 8/30/2018 First PIH held at Mountain View Community Center
- 9/19/2018 Permit issued by the Air Quality Program
- 2/13/2019 Permit reversed and remanded back to the Air Quality Program
- 4/24/2019 Second PIH held at Mountain View Community Center
- 6/27/2019 Third PIH held at Mountain View Community Center

Annual Fees: Pursuant to Permit Fees, 20.11.2.21.B NMAC, annual fee of \$7850.00 (157 tpy @ \$50.00 per ton)

Emission Unit Number	NO _x tpy	CO tpy	VOC tpy	SO ₂ tpy	TSP tpy	HAPs tpy
1	--	--	--	--	0.24	--
2	--	--	--	--	0.08	--
3	--	--	--	--	0.08	--
4	--	--	--	--	2.76	--
5	--	--	--	--	1.67	--
6	--	--	--	--	0.20	--
7	--	--	--	--	1.09	--
8	--	--	--	--	0.03	--
9	--	--	--	--	0.51	--
10	--	--	--	--	0.03	--
11	--	--	--	--	0.03	--
12	--	--	--	--	0.03	--
13	--	--	--	--	0.03	--
14	--	--	--	--	0.20	--
15	--	--	--	--	0.17	--
16	--	--	--	--	0.02	--
17	--	--	--	--	0.31	--
18	--	--	--	--	0.02	--
19	--	--	--	--	0.02	--
20	--	--	--	--	0.02	--
21	--	--	--	--	0.04	--

22	22	52	13	23	13	4.19
23	--	0.47	4.9	--	0.23	--
24	--	0.54	1.7	--	0.21	--
25	1.71	0.90	0.12	0.61	0.17	--
26	--	--	0.13	--	--	0.006
27	--	--	--	--	9.97	--
28	--	0.14	0.44	--	--	--
Total = 157 tons	24	54	20	24	31	4

Process Equipment Table

Process Units Number	Process Units Description	Manufacturer	Model Number	Serial Number	Manufacture Date	Installation Date	Rated Process Rate	Unit Subject To NSPS
1	Railcar Hopper	TBD*	TBD*	TBD*	TBD*	TBD*	133.3 tph	No
2	Rail Hopper Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	133.3 tph	No
3	Rail Telescoping Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	133.3 tph	No
4	Aggregate Storage Piles	N/A	N/A	N/A	N/A	TBD*	133.3 tph	No
5	Aggregate Truck Loading	N/A	N/A	N/A	N/A	TBD*	100 tph	No
6	HMA RAP Storage Pile	N/A	N/A	N/A	N/A	TBD*	140 tph	No
7	HMA Cold Aggregate Feed Bins (6)	TBD*	TBD*	TBD*	TBD*	TBD*	230 tph	No
8	HMA Cold Aggregate Feed Bin Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	230 tph	No
9	HMA Scalping Screen	TBD*	TBD*	TBD*	TBD*	TBD*	230 tph	No
10	HMA Scalping Screen Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	230 tph	No
11	HMA Pug Mill	TBD*	TBD*	TBD*	TBD*	TBD*	236 tph	No
12 and 13	HMA Scale Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	236 tph	No
14	HMA Slinger Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	236 tph	No
15	HMA RAP Bin	TBD*	TBD*	TBD*	TBD*	TBD*	140 tph	No
16	HMA RAP Crusher	TBD*	TBD*	TBD*	TBD*	TBD*	140 tph	No
17	HMA RAP Crusher Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	140 tph	No
18	HMA RAP Screen	TBD*	TBD*	TBD*	TBD*	TBD*	140 tph	No

Process Units Number	Process Units Description	Manufacturer	Model Number	Serial Number	Manufacture Date	Installation Date	Rated Process Rate	Unit Subject To NSPS
19	HMA RAP Screen Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	140 tph	No
20	HMA RAP Screen Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	140 tph	No
21	HMA RAP Screen Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	140 tph	No
22	HMA Mineral Filler Silo	TBD*	TBD*	TBD*	TBD*	TBD*	6 tph	Yes
23	HMA Drum Dryer/Mixer	TBD*	TBD*	TBD*	TBD*	TBD*	400 tph	Yes
24	HMA Incline Conveyor	TBD*	TBD*	TBD*	TBD*	TBD*	400 tph	No
25	HMA Silos (3)	TBD*	TBD*	TBD*	TBD*	TBD*	400 tph	No
26	HMA Heater	TBD*	TBD*	TBD*	TBD*	TBD*	2.5 MMBtu/hr	No
27	HMA Cement Storage Tanks (2)	TBD*	TBD*	TBD*	TBD*	TBD*	5206 gal/hr	No
28	Haul Roads	N/A	N/A	N/A	N/A	N/A	N/A	No

* TBD – to be determined

Air Pollution Control Equipment*

Type of Control Equipment	Process Unit Number Controlled	Manufacturer	Model Number	Serial Number	Rated Process Rate	Control Efficiency
Baghouse	21	TBD	TBD	TBD	Unknown	99%**
Baghouse	22	TBD	TBD	TBD	32,000 ACFM	99.88%

* Each baghouse stack must meet NSPS (40 CFR §60.92) limits for opacity and particulates

** Engineering judgement based on lower end of baghouse controls