

Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Number PSDTX1101

The following summary is provided for this pending air permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Lone Star Industries, Inc. (CN600363683) has submitted an application for and amendment to permit number PSDTX1101. The Maryneal Cement Plant (RN100220847) will produce/manufacture Portland Cement at 202 CR 306, Maryneal, Nolan County.

This amendment will authorize the final design of the Plant as currently operational. Lone Star Industries, Inc. currently operates a Portland cement manufacturing plant (Plant) in Maryneal, Texas that performs quarrying and crushing of raw materials and processing of these materials into Portland cement. A major modification was completed in 2016 to replace the three existing long-dry preheater (PH) clinker production systems and their attending raw mill systems, with a single new clinker production line that operates with an in-line raw mill and preheater/precalciner (PH/PC) kiln system. In addition, Lone Star increased existing capacity to produce cement by replacing the existing finish grinding system with two new finish mills. Lone Star is updating the previous 2015 Application to reflect the final as-built design of the major modification. At the time of the July 2015 Application, many areas of the Plant were still being engineered. Furthermore, as the Plant began its shake-down process, additional engineering changes had to be incorporated. Lone Star Industries, Inc. has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the current amount allowed, the amount to be added or removed, and the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutant	Permitted Emissions (tons per year)	Emissions Added/Removed (tons per year)	Total Proposed Emissions (tons per year)
VOC	122.42	-0.31	122.11
PM	641.20	2.15	643.35
PM ₁₀	499.54	-1.77	497.77
PM _{2.5}	186.76	3.61	190.37
NO _x	827.87	-2.80	825.07
CO	920.96	-1.33	919.63
SO ₂	104.05	0.17	104.22
Pb	0.34	0.00	0.34
PM _{2.5} (filterable)	4.95	0	4.95
PM ₁₀ (filterable)	11	0	11
PM (filterable)	22.82	-0.82	22
H ₂ SO ₄	27.6	0	27.6
Mercury	0.012	0	0.012
HCl	18.4	0	18.4
HF	3.3	0	3.3
NH ₃	121	0	121

The new and/or modified facilities will be controlled by the various control devices specified in the application. This includes SNCR for the control of NO_x emissions, dry sorbent injection for control of SO₂ emissions, and fabric filter dust collectors and water suppression for the control of particulate matter.