

**Plan Language Summary for New Source Review (NSR) Renewal Amendment
Application for Air New Source Review Permit Number 20948**

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.

Valmont Coatings, Inc. dba Valmont United Galvanizing CN102289295 as submitted an application for renewal of permit number 20948. The Valmont United Galvanizing facility RN600372254 Hot Dip Galvanizes pre-fabricated steel products at 6123 Cunningham Rd Houston Harris County TX.

This renewal will authorize the continued operation of the batch style Hot Dip Galvanizing of steel. This site receives prefabricated steel by truck, cleans the steel with hot degreasing solution tanks, removes scale and rust with dilute hydrochloric acid solution tanks and preserves the cleaned surface with a zinc ammonium chloride solution prior to immersion in molten zinc. This process forms a steel alloy which protects the part from corrosion for generations. Facility also offers two post galvanizing services, a polyurethane coating for additional corrosion protection for below grade installations, and a deglare treatment for installations requiring a pre-dulled appearance. The renewal will authorize the use of a boiler in place of the previously employed in tank heaters, the continued operations of two galvanizing lines, and both a spray painting, and a deglare post galvanizing treatment options. Valmont coatings. 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.

The facilities being renewed are controlled by galvanizing bath enclosures with attached dust collection as well as the indoor dry abrasive blaster for the paint line dust collector.

Pollutant*	Permitted Emissions TPY	Added/Deleted Emissions TPY	Total Proposed Emissions (TPY
PM/PM10/PM2.5	1.35/1.35/0.84	2.63/2.63/0.0	4.0/4.0/0.8
VOC	2.9	0	2.9
NOx	4.37	2.2	5.9
SOx	0.0027	0.03	0.04
Zn	0.19	0.2	0.2
ZnO	0.17	0.2	0.2
ZnCl	0.04	0.04	0.
NH3	0.01	0.01	0.01
NH4CL	0.68	0.2	0.9
ZnNO3	0.21	0.1	0.3
ZnH2PO3	0.21	0.1	0.3

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H3PO4	0.07	0.07	0.07
NiNO3	0.04	0.04	0.04
HCl	1.39	0.7	2.1

*based on the list from the 2017 submission