

North Star BHP Steel  
 Title V Application - Attachment

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File Name: 66692.WPD  
 Emission Unit: LMF Station #2 (P903)  
 Form Name: LMF 2 P903 (Emissions Unit Level Form)  
 Attach Location: Emissions Tab, Question #16.

Pollutant	Estimated Maximum Emission Rate (tons/yr)	Emissions Rate Determination Basis (for tons/yr)	Estimated Maximum Emission Rate in Units of Applicable Requirement(s)	Units of Applicable Requirement(s)	Emissions Rate Determination Basis (for units of applicable requirements)
Particulate / PM <sub>10</sub> (controlled)*	68.2	Permit Allowable	0.0018; 15.6; 68.2	gr/dscf; lbs/hr; TPY	Permit allowable
Particulate (fugitive)	3.38	Permit Allowable	0.95; 3.38	lbs/hr; TPY	Permit Allowable
PM <sub>10</sub> (fugitive)	2.57	Permit Allowable	0.72; 2.57	lbs/hr; TPY	Permit Allowable
SO <sub>2</sub>	84.38	Permit Allowable	23.7; 84.38	lbs/hr; TPY	Permit Allowable
NO <sub>x</sub>	11.25	Permit Allowable	3.16; 11.25	lbs/hr; TPY	Permit Allowable
CO	281.3	Permit Allowable	78.8; 281.3	lbs/hr; TPY	Permit Allowable
Lead (controlled)*	1.36	Permit Allowable	0.31; 1.36	lbs/hr; TPY	Permit Allowable
Magnesium (controlled)*	1.91	Permit Allowable	0.44; 1.91	lbs/hr; TPY	Permit Allowable
Manganese (controlled)*	2.52	Permit Allowable	0.58; 2.52	lbs/hr; TPY	Permit Allowable

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Zinc (controlled)*	16.85	Permit Allowable	3.85; 16.85	lbs/hr; TPY	Permit Allowable
Mercury (controlled)*	0.17	Permit Allowable	0.038; 0.17	lbs/hr; TPY	Permit Allowable

- \* NOTE:
- 1) Maximum Emission Rates for pollutants designated as “controlled” are describing the allowable rate from Baghouse CE-BH1. This unit controls emissions from the EAF (P901), LMF Station #1 (P902) and LMF Station #2 (903). As such, the maximum controlled rates shown above reflect the **total** from all of these emission units.
  - 2) All controlled particulate matter emissions from Baghouse CE-BH1 are assumed to be <10 microns.