



TN. DEPT. OF
AIR POLLUTION CONTROL
2006 JAN 12 PM 3:03

Tuesday, January 10, 2006

Doug Warden
Division of Air Pollution Control
Tennessee Department of Environment and Conservation
9th Floor, L&C Annex
401 Church St.
Nashville TN 37243-1531

RECEIVED

57-0189

Re: Source No. 57-0189-05, Gerdau AmeriSteel Minor Modification

Dear Mr. Warden:

Gerdau Ameristeel, Jackson Tennessee Steel Mill is applying for a construction permit to replace our existing 1973 model shredder for a new 124 SXS 102", 8000 hp mega shredder. The planned physical changes will improve efficiency and allow shredding of scrap to increase from 145 tons per hour to 400 tons per hour. This shredder will not affect the mill's steel production rate.

We propose to leave our current allowable for the existing shredder at 25 pounds per hour and our current hours of operation the same at 2080 and increase shredding capacity to 400 tons per hour.

We propose an estimated actual emission rate of 20 pounds per hour which complies with both the allowable emission limiting regulations utilizing the process weight tables where $E = 17.31 P^{0.16}$ for P greater than 30 tons per hour and with a grain loading of 0.10 which falls between 0.25 grains per dry cubic foot and 0.02 grains per dry cubic foot of stack gas.

Sincerely,

Stephen S. King
Environmental Specialist
Gerdau AmeriSteel
Jackson Tennessee Steel Mill

Truth and Accuracy Statement:

I have reviewed this letter prepared by Stephen S. King of my staff and submitted to John Patton of the Tennessee DEC. To the best of my knowledge, and based on information and belief formed after reasonable inquiry, the statements and information contained in this letter and the forms are true and accurate.

Wib G. Manuel
VP Divisional Manager, Gerdau AmeriSteel, Jackson Tennessee Steel Mill

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