GERDAU

2016 Annual Report for Hazardous Waste Exports

40 CFR § 262.56

Title 22 CCR § 66262.56

TAMCO

12459-B Arrow Route

Rancho Cucamonga, CA 91739

February 2017

Gerdau – Rancho Cucamonga Mill – www.gerdau.com/longsteel

12459 Arrow Rte, Suite B – PO Box 325 – Rancho Cucamonga, CA – 91739 – Phone: 909-899-0660 – Fax: 909-899-1910

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1.0 EXPORTER INFORMATION

TAMCO is a steel mini-mill that recycles ferrous scrap metal into concrete reinforcing bars (rebar). Mini-mills use electric arc furnace technology to melt scrap steel into semi-finished steel billets. These billets are then reheated and processed in a rolling mill where they are made into a wide variety of rebar lengths, sizes and grades.

TAMCO recycles over 500,000 tons of steel a year. This steel comes from junked cars, appliances, tin cans, used oil filters and industrial scrap. More steel is recycled in the United States than glass, aluminum, paper and plastic combined. Several years ago, TAMCO began accepting used oil filters (drained and crushed) for recycling into rebar. For every ton of used oil filters the company recycles, ten cubic yards of landfill are conserved and thirty-one gallons of motor oil is kept from landfills and oceans.

TAMCO captures dust emissions from the melting process with an efficient baghouse, thus keeping the dust from entering the atmosphere. Once the dust is captured, the iron, zinc, lead and cadmium in the dust is recycled, which reduces the amount of material that goes to hazardous waste landfills.

1.1 EPA Identification Number

CAD982361404

1.2 Facility Name

TAMCO

1.3 Mailing Address:

P.O. Box 325

Rancho Cucamonga, CA 91739

1.4 Site Address:

12459-B Arrow Route

Rancho Cucamonga, CA 91739

2.0 CALENDAR YEAR OF REPORT

2016

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3.0 CONSIGNEE INFORMATION

3.1 EPA Identification Number
TXR000047670

3.2 Facility Name
Zinc Nacional S.A.

3.3 Mailing Address:
c/o VDC Corporation
3104 Chelo Street & Highway 57
Eagle Pass, TX 78852

3.4 Site Address
Serafin Pena, 938 Sur
Monterrey, Nueva Leon, Mexico

4.0 HAZARDOUS WASTE INFORMATION

4.1 Description
Baghouse dust captured from the process of recycling steel with an electric arc-furnace.

4.2 EPA Federal Hazardous Waste Code
K061 – Emission control dust/sludge from the primary production of steel in electric furnaces.

4.3 California Hazardous Waste Code
591 – Baghouse waste

4.4 DOT Hazard Class
DOT Hazard Class 9 – Miscellaneous

4.5 Transporter Information
4.5.1 Burlington Northern Santa Fe Railway Company
3001 Lou Menk Drive
Forth Worth, TX 76131-2815
EPA ID Number: MND048341788
ATTN: David Rodriquez

4.5.2 Kansas City Southern Railroad
1610 Woodstead Court
The Woodlands, TX 77380
EPA ID Number: NOD006965859

4.5.3 Kansas City Southern Mexican Railway Company
Monterrey, Mexico
Kansas City Southern de Mexico, S.A. de C.V.
Manuel L. Barragan No. 4850 Nte.
Col. Hidalgo
C.P. 64420
EPA ID Number: None

4.6 Waste Shipments

For calendar year 2016, baghouse waste export shipment were 9,369,650 pounds (4,684 tons) in a total of 50 shipments.

Table 1 – Annual Waste Exported

Year	Pounds of Baghouse Dust Exported
2016	9,369,650

5.0 WASTE REDUCTION EFFORTS

5.1 Efforts Undertaken to Reduce the Volume and Toxicity of Waste

5.1.1 Reduction in Volume

Manufacturing steel from recycled steel represents a significant reduction in waste. Annual steel recovery efficiency average is 98.5%. Waste shipments are for additional recycling by metal recovery which continues to represent additional waste volume reductions.

5.1.2 Reduction in Toxicity

Inspections of incoming recycled steel continue at the facility preventing the introduction of unwanted materials. No changes can be expected in the Toxicity Characteristics of the baghouse dust.

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5.2 Description of Changes in the Volume and Toxicity of Waste Actually Achieved During the Year in Comparison to the Extent Such Information is Available for Years Prior to 1984

Data is not available in years prior to 1984. Current recovery efficiency is stable at an average of 98.5% for the last ten years.

Table 2 Annual Recycle Rate

Year	Pounds of Baghouse Dust	Pounds Produced	Recycle Rate %
2007	12,720,400	861,392,000	98.5%
2008	14,680,00	886,964,000	98.4%
2009	3,751,600	276,996,000	98.7%
2010	6,096,950	436,988,000	98.6%
2011	6,780,250	409,860,000	98.4%
2012	9,513,530*	671,750,000	98.6%
2013	8,981,020	584,906,000	98.5%
2014	10,354,500	721,871,800	98.6%
2015	10,186,352	625,572,000	98.4%
2016	9,369,650	622,248,000	98.5%
Average			98.5%

**2012 Pounds of Baghouse Dust for Recycle Rate calculation includes shipments to domestic locations.*

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6.0 CERTIFICATION BY EXPORTER

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Mr. Mark Olson
VP/General Manager

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Rancho Cucamonga CA 91739

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