

# Nadan Consulting Ltd.

## ONTARIO AIRBORNE CONTAMINANT DISCHARGE & NATIONAL POLLUTANT RELEASE INVENTORY (NPRI) MONITORING & REPORTING

### Mobile Climate Control

7540 Jane St  
Vaughan, ON.  
L4K 0A6

May 28, 2019

### ONTARIO AIRBORNE CONTAMINANT DISCHARGE MONITORING & REPORTING

The Ontario Ministry of the Environment (MOE) has amended Regulation 127/01 to streamline the reporting process, and eliminate the redundancies between the provincial and federal reporting requirements. Acetone is the only remaining reportable contaminant under Reg.127/01. MCC does not use acetone, and thus, is not required to report to the MOE concerning Regulation 127/01.

### NATIONAL POLLUTANT RELEASE INVENTORY (NPRI)

MCC exceeded the reporting threshold of Group 1 substance chromium.

#### Part 1A Substances

MCC did not exceed the reporting threshold of chromium. The reporting threshold for Group 1A substances is 10,000 kg manufactured, processed or otherwise used at a concentration greater than or equal to one percent.

Chromium is present at a concentration greater than 1% as a component in the stainless steel used to produce the finish units. Usage of chromium in 2018 at concentrations above one percent was 9,414 kg. There were no releases to air or discharges to sewer of chromium.

Excess steel is shipped off-site for recycling. It has been assumed that the scrap metal has the same composition as the original product used at the plant. Of the 20,804 kg of total chromium used in 2018, 8,126 kg was shipped off-site for recycling to Combined Metal Industries at 505 Garyray Dr, Toronto.

The data quality of the quantity of chromium used in the year is considered good as the calculation was based on the certified composition of the metal provided by the metal supplier and the quantity of each grade of metal purchased.

The data quality of the quantity of steel shipped offsite for recycling is average as it is supplied by the recycler.

The composition of the waste metal shipped offsite with respect to chromium was obtained by taking a weighted average of stainless steel used in the facility in 2018.

Usage of nickel in 2018 was 9,179 kg, below the reporting threshold of 10,000 kg MPO.

**GREENHOUSE GAS REPORTING**

Emissions of carbon dioxide in 2018 from combustion of natural gas was 203 T. The reporting threshold is 10,000T.

**Disclaimer**

Reasonable efforts have been made to obtain relevant information, statements and documents concerning MCC facility from MCC management and staff. The accuracy of this report is subject to any errors or omissions, refusals, or inability to provide that information.



# National Pollutant Release Inventory (NPRI) and Partners



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SWIM > 2018 > Mobile Climate Control Industries Inc. > Mobile Climate Control > Report Preview \* indicates a required field, \*\* indicates a conditionally required field

## Report Preview

### Company Details

Name

Address

### Report Details

NPRI ID

Report Status

Report Year

Report Type

Facility Name

Facility Address

Update Comments

### Activity Details

#### Applicable Programs

Please select all that apply. See the Toggle-In Context Help for more information about each program, including any changes to requirements. The following programs will be notified that the facility does not meet the reporting criteria.

#### Environment and Climate Change Canada Programs

- NPRI** - National Pollutant Release Inventory

#### Partnering Programs

- ON MECP TRA** - Ontario Ministry of the Environment, Conservation and Parks for the Toxic Reductions Act
- NFPRER** - National Framework for Petroleum Refinery Emission Reductions

### Contacts

Select the appropriate person from the drop-down menu for each contact.

#### Facility Contacts

Select the appropriate person from the drop-down menu for each contact.

Technical Contact: \*

Certifying Official (or authorized delegate): \*

Highest Ranking Employee: \*

Person who prepared the report: \*

Wendy Nadan

Person who coordinated the preparation of the Toxics Reduction Plan (required after a plan summary has been submitted)

Boris Sukovski

Company Coordinator (optional)

Public Contact (optional)

Contractor Contact (optional)

Wendy Nadan

If you are an independent contractor or consultant, please enter your company name in the field below

Nadan Consulting Ltd

## Facility Does Not Meet Reporting Criteria

Since you have indicated that this facility does not meet the reporting criteria for the identified program (or programs), please indicate the reason in the comments box below.

### For NPRI

Enter Reason Facility Does Not Meet Criteria (DNMC) \*

usage fell below reporting threshold

### For ON MECP TRA

Exit Record – TRA Ceases to Apply for the Entire Facility

\*\*\*Special Note - Please be aware that a similar Exit Record is available if your facility(ies) only has certain prescribed substances that are no longer subject to the Act and the regulation.\*\*\*

Select the circumstance(s) that apply \*

All substances that were previously reported by the facility no longer meet the criteria to report (Please see helpfile for further information)

Describe the circumstances that lead to the criteria no longer being met \*

purchases of stainless steel containing chromium fell

Describe the information and any quantifications relied upon for making the determination: \*

purchasing records and composition of stainless steel

## Verify Facility Information

### Company Information

#### Company Details

Company Legal Name

Mobile Climate Control Industries Inc.

Business Number

246256325

#### Mailing Address

Delivery Mode

Suburban Services

PO Box

Rural Route Number

Address Line 1

7540 Jane Street

City \*

Vaughan

Province/Territory \*\*

Ontario

Postal Code: \*\*

L4K 0A6

Country \*

Canada

### Facility Information

Facility \*

Mobile Climate Control

NAICS Code \*

336390

### Facility Physical Address

Address Line 1

7540 Jane Street

City

Vaughan

Province/Territory \*\*

Ontario

Postal Code \*\*

L4K 0A6

Country

Canada

Additional Information

Land Survey Description

National Topographical Description

### NPRI Facility Location

Latitude (decimal degrees) \*

43.79013

Longitude (decimal degrees) \*

-79.52452

UTM Zone

17

UTM Easting

618712

UTM Northing

4849622

Is the facility considered to be portable, according to the definition used by the NPRI?



### Facility Contacts

#### Contact Types

##### Technical Contact

First Name: \*

Boris

Last Name: \*

Sukovski

Position: \*

Quality Director

Telephone: \*

9054822750

Ext

1281

Fax

Email: \*

boris.sukovski@mcc-hvac.com

##### Certifying Official

First Name: \*

Bob

Last Name: \*

Kuzminski

Position: \*

President

Telephone: \*

9054822756

Ext

Fax

Email: \*

bob.kuzminski@mcc-hvac.com

##### Contractor Contact

First Name: \*

Wendy

Last Name: \*

Nadan

Position: \*

Principal

Telephone: \*

5199404724

Ext

Fax

Email: \*

wendy@nadanconsulting.com

### Highest Ranking Employee

First Name: \*

Bob

Last Name: \*

Kuzminski

Position: \*

President

Telephone: \*

9054822756

Ext

Fax

Email: \*

bob.kuzminski@mcc-hvac.com

### Person who prepared the report

First Name: \*

Wendy

Last Name: \*

Nadan

Position: \*

Principal

Telephone: \*

5199404724

Ext

Fax

Email: \*

wendy@nadanconsulting.com

### Person who coordinated the preparation of the Toxics Reduction Plan

First Name: \*

Boris

Last Name: \*

Sukovski

Position: \*

Quality Director

Telephone: \*

9054822750

Ext

1281

Fax

Email: \*

boris.sukovski@mcc-hvac.com

### Environmental Regulations or Permits

#### Permits

#### 6135-83PJK

Number or Permit Number

6135-83PJK

Government Department, Agency, or Program Name

MOE - ECA Air



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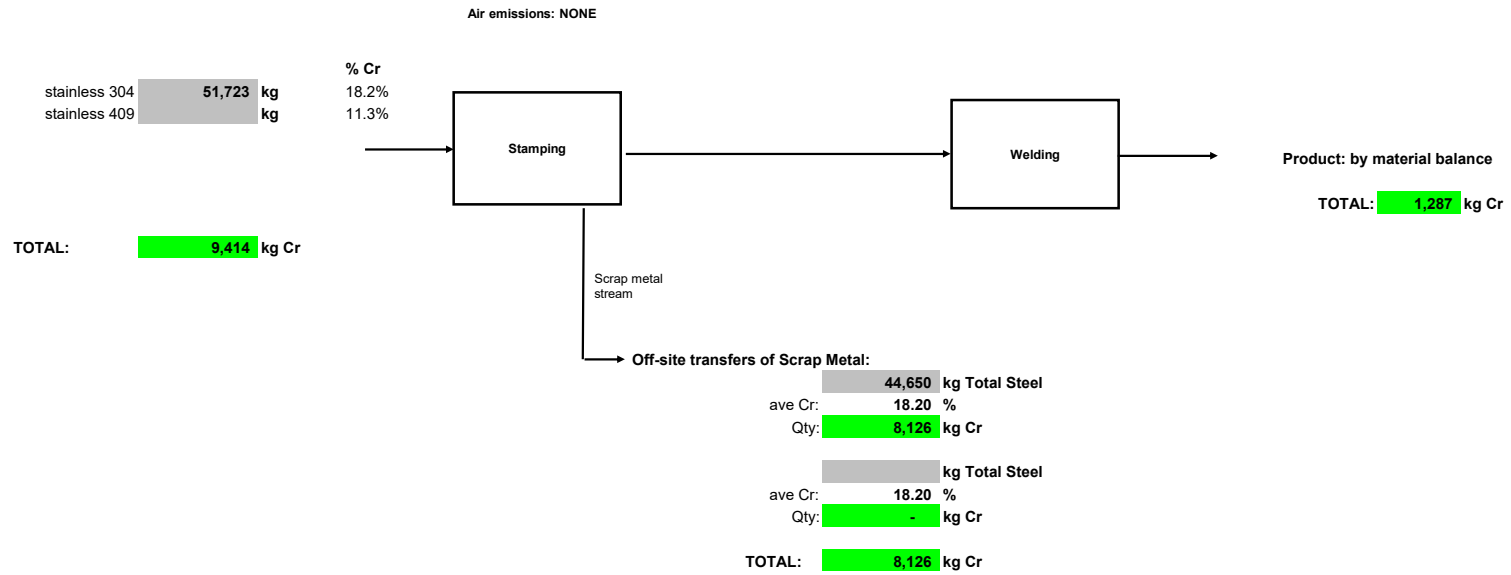
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**Chromium Material Balance and Process Flow Diagram**

**Facility Inputs:**

Air emissions: none - no external exhaust



**Material Balance**

| Purchased | Created | Contained in Product | Shipped Off-Site | Released On-site (air) | Destroyed | Discrepancy |
|-----------|---------|----------------------|------------------|------------------------|-----------|-------------|
| 9,414     | 0.0     | 1,287                | 8,126            | 0.0                    | 0.0       | 0.0         |

**Comment:** Material balance is perfect, since amount in product is obtained by difference between purchased and off-site transfers

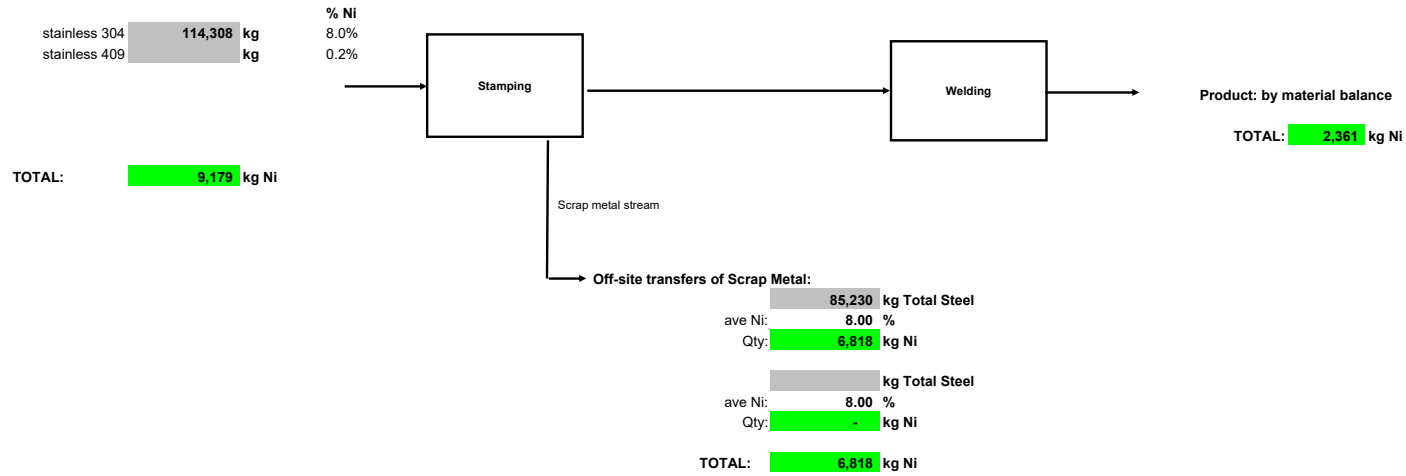


Nickel Material Balance and Process Flow Diagram

Facility Inputs:

Air emissions: none - no external exhaust

Air emissions: NONE



Material Balance

| Purchased | Created | Contained in Product | Shipped Off-Site | Released On-site (air) | Destroyed | Discrepancy |
|-----------|---------|----------------------|------------------|------------------------|-----------|-------------|
| 9,178.9   | 0.0     | 2,360.5              | 6,818.4          | 0.0                    | 0.0       | 0.0         |

Comment: Material balance is perfect, since amount in product is obtained by difference between purchased and off-site transfers



**From:** Yang, Tracy <Tracy.Yang@mcc-hvac.com>  
**Sent:** May-15-19 12:27 PM  
**To:** Mulaner, John  
**Cc:** Basani, Rajshekar; Sukovski, Boris  
**Subject:** Stainless Steel total weight purchased in 2018

**Importance:** High

Hi John, Please provide us the total weight for each stainless steel sheet we've ordered from you in 2018. This is requested for our internal audit.

Please advise asap,

Thanks,  
Tracy

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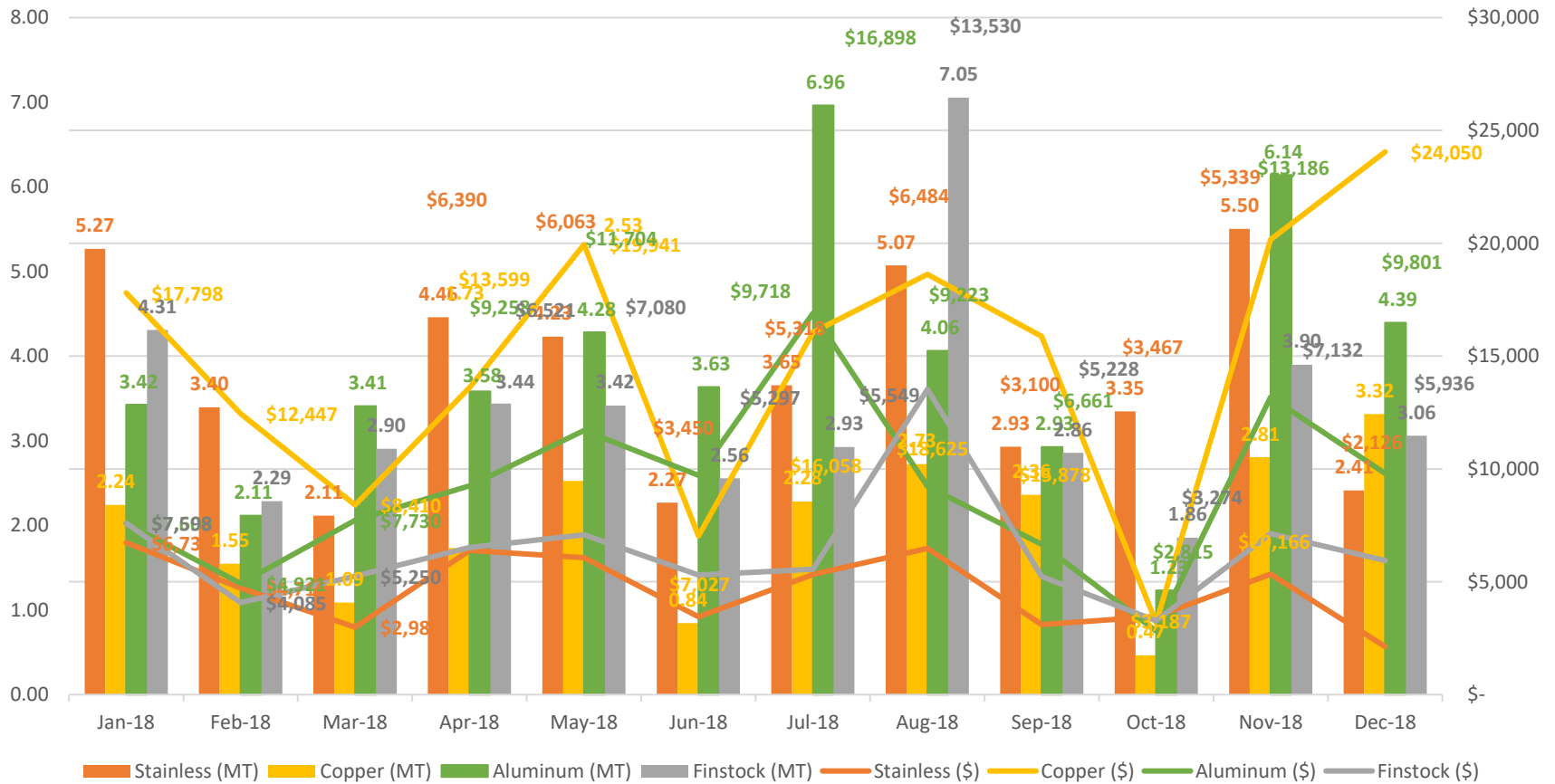
This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

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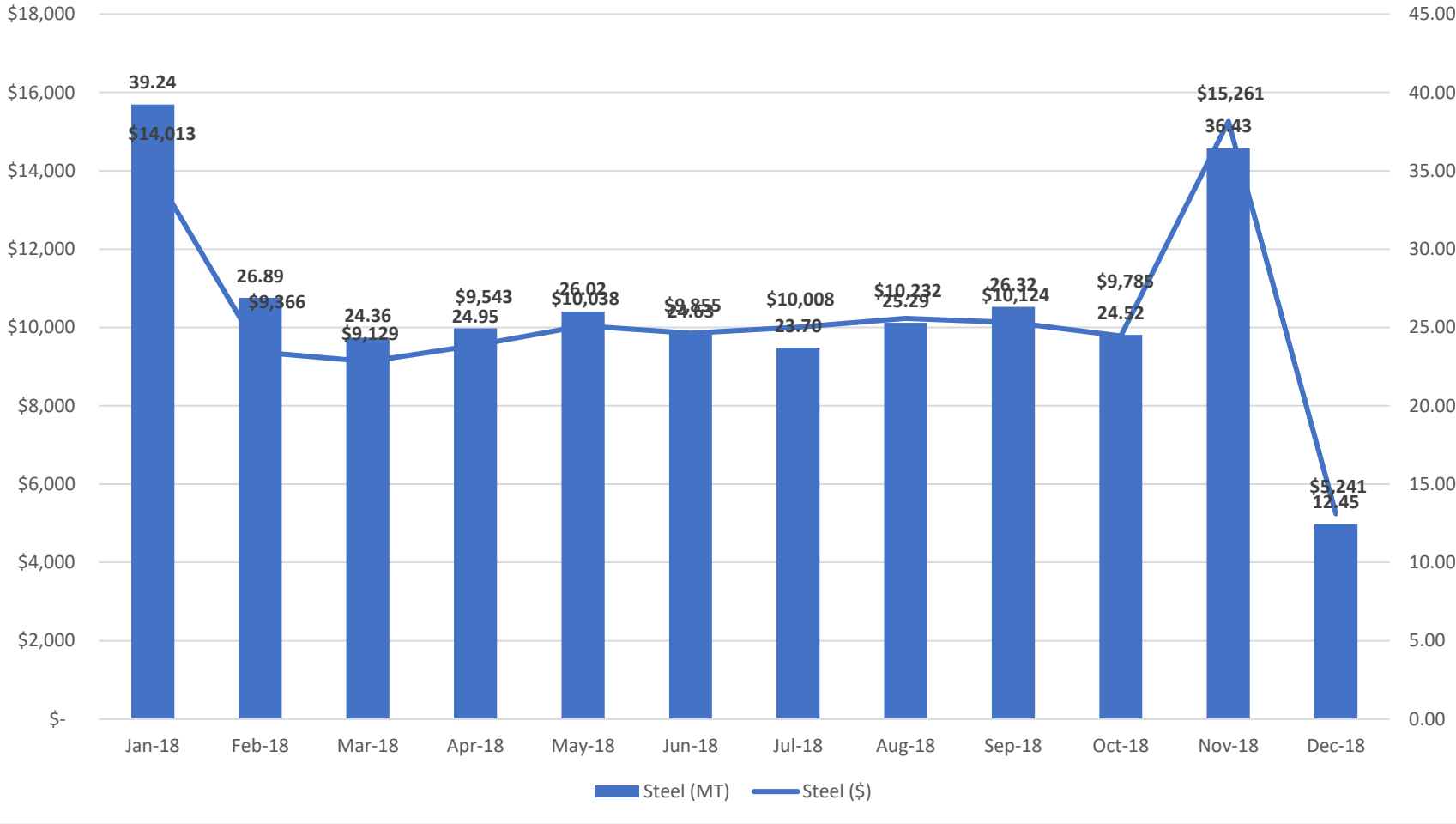
## Sales By Customer By Product

| <u>Warehouse</u> | <u>Customer</u> | <u>Product Description</u>   | <u>Weight</u> | <u>Quantity</u> |
|------------------|-----------------|------------------------------|---------------|-----------------|
|                  | MOBILE CLIMATE  | SSH 304 2B 20ga x 48" x 96"  | 19355         | 19355           |
|                  | MOBILE CLIMATE  | SSH 304L 2B 20ga x 48" x 96" | 5635          | 5635            |
|                  | MOBILE CLIMATE  | SSH 304 X4 20ga x 48" x 48"  | 1225          | 1225            |
|                  | MOBILE CLIMATE  | SSH 304 X4 20ga x 48" x 96"  | 19539         | 19539           |
|                  | MOBILE CLIMATE  | SSH 304L X4 20ga x 48" x 96" | 1446          | 1446            |
|                  | MOBILE CLIMATE  | SSH 304 2B 18ga x 48" x 96"  | 6530          | 6530            |
|                  | MOBILE CLIMATE  | SSH 304L 2B 18ga x 48" x 96" | 6530          | 6530            |
|                  | MOBILE CLIMATE  | SSH 304 X4 18ga x 48" x 96"  | 17959         | 17959           |
|                  | MOBILE CLIMATE  | SSH 304L X4 18ga x 48" x 96" | 1633          | 1633            |
|                  | MOBILE CLIMATE  | SSH 304 2B 16ga x 48" x 96"  | 9792          | 9792            |
|                  | MOBILE CLIMATE  | SSH 304L 2B 16ga x 48" x 96" | 2040          | 2040            |
|                  | MOBILE CLIMATE  | SSH 304 2B 14ga x 48" x 96"  | 7236          | 7236            |
|                  | MOBILE CLIMATE  | SSH 304L 2B 14ga x 48" x 96" | 15388         | 15388           |
|                  | MOBILE CLIMATE  | SSH 409 2D 18ga x 48" x 96"  | 0             | 0               |
|                  |                 |                              | 114308        | 114308          |

# MCC Summary - Non Ferrous



# MCC Summary - Ferrous



Source: *Natural Gas Combustion*

annual natural gas usage, m3 106,174

| Combustion products | emission factor<br>kg/m <sup>3</sup> | emissions, kg | Reporting threshold, kg |
|---------------------|--------------------------------------|---------------|-------------------------|
| PM, total           | 0.00012160                           | 13            | 20,000                  |
| PM, 2.5             | 0.00012160                           | 13            | 300                     |
| PM, 10              | 0.00012160                           | 13            | 500                     |
| Carbon dioxide      | 1.92                                 | 203,854       | 100,000,000             |
| Carbon monoxide     | 0.001344                             | 143           | 20,000                  |
| Nitrous oxide       | 0.001602                             | 170           | 2,700                   |

Emission factors are taken from the US EPA FIRE database .