



# 2014 Sustainability Report



Munters Europe AB

Tobo Factory

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SWEDEN

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## **“We take our Corporate Social Responsibilities seriously.”**

As a global leader in energy efficient air treatment solutions, we at Munters take our Corporate Social Responsibility seriously. We understand how we impact the world we all live in.

This is why at Munters we work every day to create “Your Perfect Climate”. For our customers we provide products and solutions that reduce their energy consumption. This contributes to the reduction of the world’s emissions.

In our manufacturing we have a sustainable approach, focusing on efficient usage of natural resources, while reducing and recycling our waste. Because at Munters, one of our core values is to think “there is always a better way”.

We have made significant improvements but we pledge to always seek opportunities to improve our products as well as our manufacturing practices.

Munters will continue to be a part of creating a sustainable future for everyone.

**John-Peter Leesi**

CEO, Munters AB

# 2014 Objectives & Targets Summary

*EH&S Corporate Objectives for manufacturing sites: (baseline 2013, target EOY 2015)*

## Corporate Objective #1

Implement or refine an ***Environmental, Health, & Safety Management Program***

**Target:** Refine the current EH&S Program and further integrate it into our daily business management systems.

**Result:**

Actions plans for reducing incidents and accidents are initiated on the Environment Committee and Chemical Committee. Safety is number 1 on the agenda on every daily target meeting and the reporting in C2 is followed up on the factory target meeting every day.

The template for reporting accidents and incidents in C2 has been improved and used on a more regular basis.

## Corporate Objective #2

Drive continuous improvements through a prioritized ***EH&S Facility Risk-Aspect List***

**Target:** To identify, select and prioritize our EH&S Risk-Aspects and drive risk reduction within each chosen aspect. Risk reduction shall be measured by the aspect scoring system.

**Result:**

An external training for those conducting risk analyzes has been performed and a specific person is assigned the leading role in the work with our different risk analysis to achieve the same high standard. A new report for risk analysis is introduced in C2 with risk reduction in the following step.

## Corporate Objective #3

Reduce ***TRIR Rate*** by 10% (*e.g. outside medical treatment, lost work days, restricted duty*)

**Target:** Increase reported deviation to reduce our incident rate

**Result:**

During the year all the deviations from our risk analyzes and our self-monitoring rounds are reported in C2 which has led to lots of reported deviations and eventually less incident. Root cause analysis is implemented in C2 and a more proactive reporting in C2 has conducted.

## Corporate Objective #4

Reduce ***Energy / Resource Use*** (*e.g. electricity, natural gas, propane, diesel, oil, water*)

**Target:** Reduce electricity and propane use throughout our administration and manufacturing facilities.

**Result:**

We continuous to replace computers to more energy efficient ones. An energy survey is completed on the new part of the factory. An action plan is established and a new measuring of heating and process energy consumption has been introduced.

### Corporate Objective #5

Reduce **Water** consumption and/or waste of processes or factory (*reduces, reuse, recycle or capture*)

**Target:** Reduce process water use throughout our manufacturing processes.

**Result:**

In the new process line we recirculate and reuse more of the amount of grey water.

In order to stabilize production water volume and increase the dry weight of the sludge we have installed a filter press and scrapers to our water treatment plant. Instead of sludge removal every quarter with stop in our production we now have a stable process with stable emission values in outgoing water to the municipal sewage treatment plant. The results so far are very good.

### Corporate Objective #6

Reduce **Non-Recycled** type waste (*non-recycled wastes, reduce, reuse or recycle*)

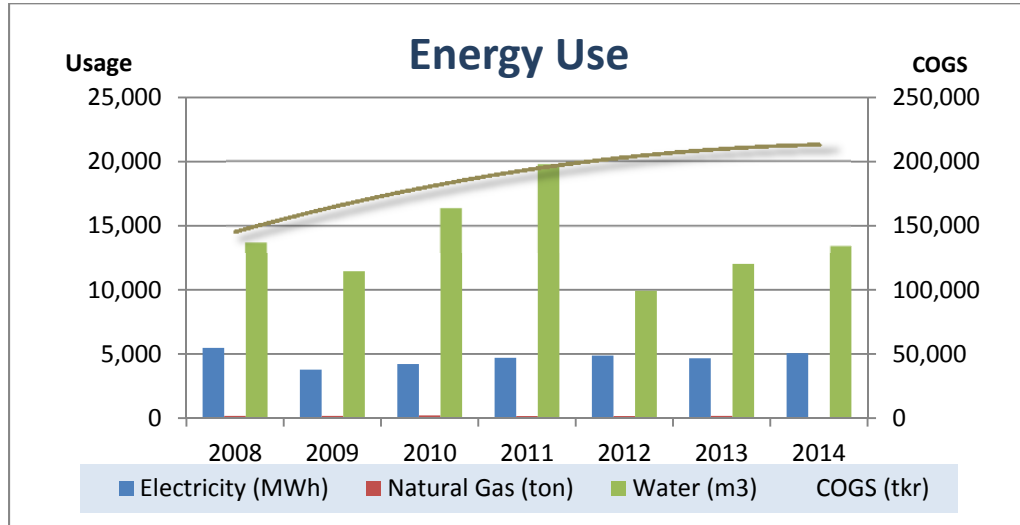
**Target:** Reduce hazardous waste and landfill and review recycling of metals

**Result:**

A filter press and scrapers has been installed to minimize landfill volume. A new roller compactor has been installed to enhance packing density. A new punching machine has been installed to increase productivity and increase metal utilization

# Performance Data Summary

## Environmental Performance Data



Energy Use - Electricity, Natural Gas<sup>1</sup>, Water and COGS<sup>2</sup>

Trend line

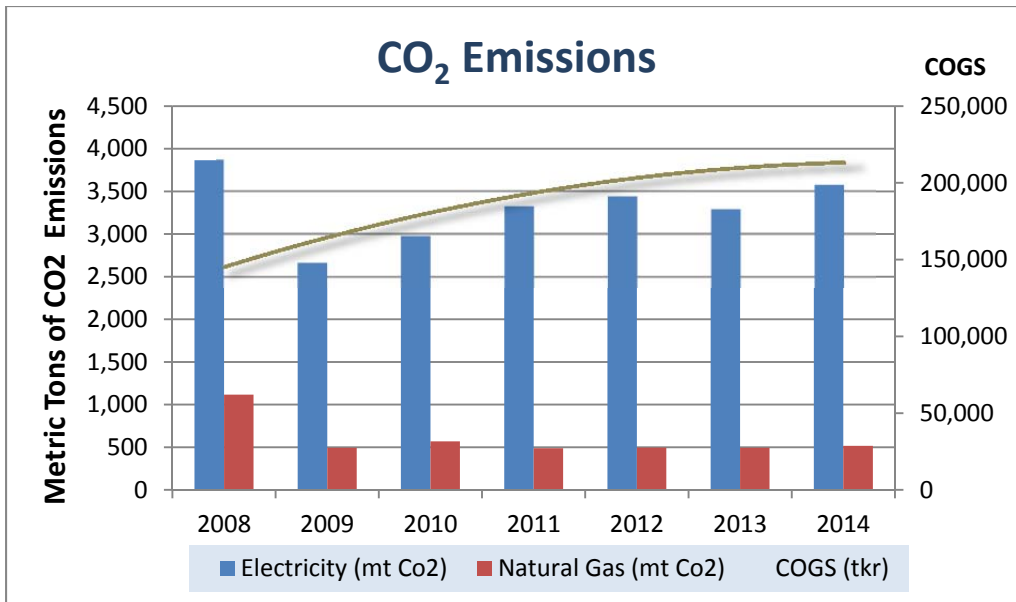
| Year | Electricity (MWh) | Natural Gas (ton) | Water (m3) | COGS (tkr) |
|------|-------------------|-------------------|------------|------------|
| 2008 | 5 478             | 177               | 13 698     | 158 532    |
| 2009 | 3 776             | 173               | 11 451     | 152 552    |
| 2010 | 4 215             | 212               | 16 350     | 174 238    |
| 2011 | 4 708             | 167               | 19 774     | 178 936    |
| 2012 | 4 873             | 166               | 9 930      | 221 268    |
| 2013 | 4 661             | 170               | 12 022     | 231 872    |
| 2014 | 5 064             | 173               | 13 418     | 195 202    |

Note 1; Natural gas: propane, diesel, fuel oil

Note 2; COGS Cost of Goods Sold

Summary 2014:

- Continuous replacement to more energy efficient computers
- During 2014 our new process line has been making multiple tests. This increases the electricity and water consumption, but it does not show in COGS yet



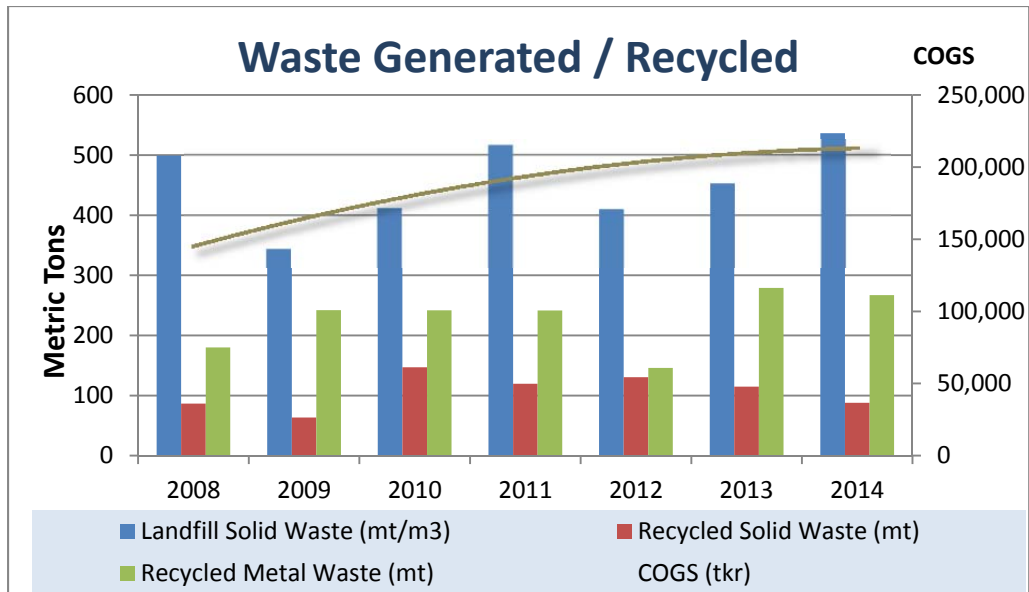
**CO<sub>2</sub> Emissions**

| Year | Electricity (mt Co <sub>2</sub> ) | Natural Gas (mt Co <sub>2</sub> ) | Trend line |
|------|-----------------------------------|-----------------------------------|------------|
|      |                                   |                                   | COGS (tkr) |
| 2008 | 3 865                             | 1116                              | 158 532    |
| 2009 | 2 664                             | 495                               | 152 552    |
| 2010 | 2 974                             | 570                               | 174 238    |
| 2011 | 3 322                             | 488                               | 178 936    |
| 2012 | 3 438                             | 496                               | 221 268    |
| 2013 | 3 289                             | 494                               | 231 872    |
| 2014 | 3 573                             | 517                               | 195 202    |

Note; All electricity is water generated (green)

**Summary 2014:**

In our new process line new ovens have been installed. All electricity to them is water generated electricity (EPD-produced electricity) instead of our old ovens that use propane. Since all electricity is water generated we will reduced our CO<sub>2</sub>-consumption.



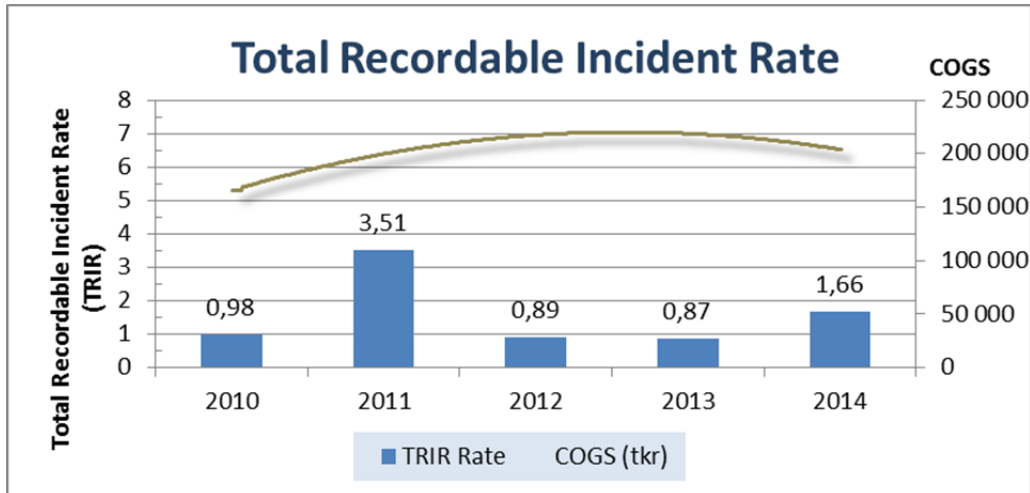
**Waste / Recycled**

| Year | Landfill Solid Waste (mt/m <sup>3</sup> ) | Recycled Solid Waste (mt) | Recycled Metal Waste (mt) | Trend line |
|------|---|---------------------------|---------------------------|------------|
|      |   |                           |                           | COGS (tkr) |
| 2008 | 499                                       | 87                        | 180                       | 158 532    |
| 2009 | 345                                       | 64                        | 242                       | 152 552    |
| 2010 | 412                                       | 147                       | 242                       | 174 238    |
| 2011 | 516                                       | 120                       | 242                       | 178 936    |
| 2012 | 410                                       | 131                       | 146                       | 221 268    |
| 2013 | 453                                       | 115                       | 279                       | 231 872    |
| 2014 | 536                                       | 88                        | 267                       | 195 202    |

Summary 2014:

- A filter press and scrapers has been installed to minimize landfill volume
- A new roller compactor has been installed to enhance packing density
- A new punching machine has been installed to increase productivity and increase metal utilization

## Safety & Health Performance



### Recordables / Rates

| Year | Accidents | Hours   | Trend line |            |
|------|-----------|---------|------------|------------|
|      |           |         | TRIR Rate  | COGS (tkr) |
| 2010 | 1         | 203 477 | 0,98       | 174 238    |
| 2011 | 4         | 227 785 | 3,51       | 178 936    |
| 2012 | 1         | 224 894 | 0,89       | 221 268    |
| 2013 | 1         | 228 976 | 0,87       | 231 872    |
| 2014 | 2         | 241 656 | 1,66       | 195 202    |

### Summary 2014:

- Safety is number 1 on the agenda on every daily target meeting and the reporting in C2 is summarized on the factory target meeting every day.
- The template for reporting accidents and incidents in C2 has been improved with root cause analysis, reporting of EH&S deviation, and automatic classification of type of incident.
- A new checklist for safety inspections has been introduced together with a template for reporting an action plan in C2. Ten safety inspections have been completed and seven safety inspections have been initiated.
- Seven different educations for total 203 employees has been carried out during 2014
- Chemical exposure measurements was conducted during 2014 and showed values well below the limit values according to AFS 2011:18.