



Business and Human rights Resource Center

Dear Malek,

We hereby present to you an overview of how our commitment to legal requirements and the LafargeHolcim policies on environment, human rights and corporate citizenship are reflected in actions in our operations.

1. On Environment (principles 7, 8 and 9)

Our plant in Chekka follows the management system ISO14001:2017 for the environment. As such, we identify and assess our impacts, set targets to reduce them and work towards continuous improvement.

- In terms of monitoring and reporting:

We measure our stack emissions using an automated continuous emissions monitoring system that is verified and calibrated every year by an independent and certified third party. Fugitive dust measurements are taken weekly from 14 different points in the plant. We also undertake noise measurements on a biannual basis at 25 internal points within the plant as well as external points in the surrounding communities. Moreover, wastewater analysis is yearly conducted at the core lab at the American University of Beirut to ensure legal compliance as per Decision 8/1.

We confirm our complete coordination with the Ministry of Environment to whom we report our emission levels and overall environmental performance. Emissions levels are compliant with the legal requirements and we strive to go beyond legal norms to achieve strict internal targets in accordance with the LafargeHolcim Group (check graphs).

Yearly investments are made to improve the plant's environmental performance and mitigate the environmental impacts of our operations. These include:

- Modernization of the main filter which has significantly reduced the levels of dust at stack. Bag filters are replaced during the yearly kiln haul as part of ongoing maintenance. The kiln filter consists only of modern bag filters which are proven to be more efficient than old generation ESP filters.

- Optimizing efficiency of our dedusting systems to reduce levels of fugitive dust in the plant. Investments focused on specific areas such as material transportation systems, packing, and quarry where water spraying system is installed.
- A waste heat recovery project, i.e. recovering the exhaust gas from our generators to generate electricity improved our energy efficiency, reduced emissions and reduced our consumption of fuel.

Our actions are an ongoing effort in addressing the environmental challenges of our business, which we consider as opportunities for improvement to mitigate the environmental impacts.

2. On human rights (principles 1 and 2)

We respect human rights and recognize the role of our business in influencing human rights not just in our direct operations, but also in the supply chain. Holcim Lebanon conducted human rights self-assessment according to the LafargeHolcim Human Rights Management Approach, which is based on the UNGC 10 principles. Our local management addresses identified risks and monitors mitigation actions with the relevant stakeholders.

3. On health

Occupational health and safety is our core value. As per our group wide policy, we conduct our business in a manner that leads to creating healthy and safe environment for all our stakeholders, including employees, communities, contractors and others.

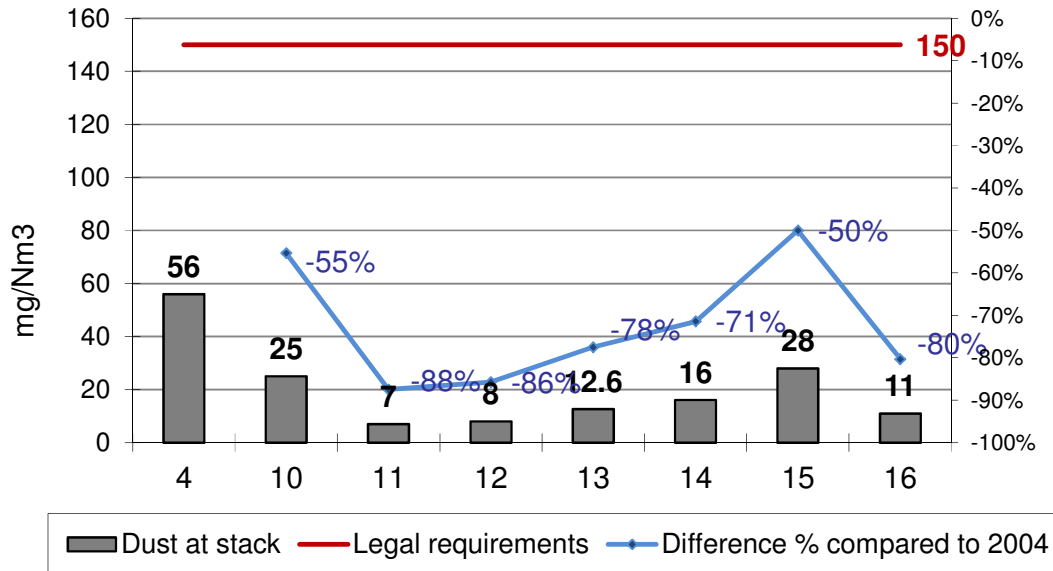
- Holcim Lebanon has in place a medical emergency response program and a medical fitness program whereby the health of workers and drivers is continuously monitored. Yearly medical checkups are carried out for employees and contractors, by an independent institution.
- Industrial hygiene measurements are done to identify individual level of exposure to dust, in accordance with respective jobs.
- Contractors' safety is addressed through the Contractor Safety Management Program to ensure contractors respect our safety requirements.

Being a member of the LafargeHolcim Group, our plants are present in 90 countries in the world. Communities surrounding our sites have not reported higher incidents of cancer compared to other communities. We believe there is no evidence of increased risk for cancer in relation to cement exposure, and this belief is supported by internationally recognized research evidence.

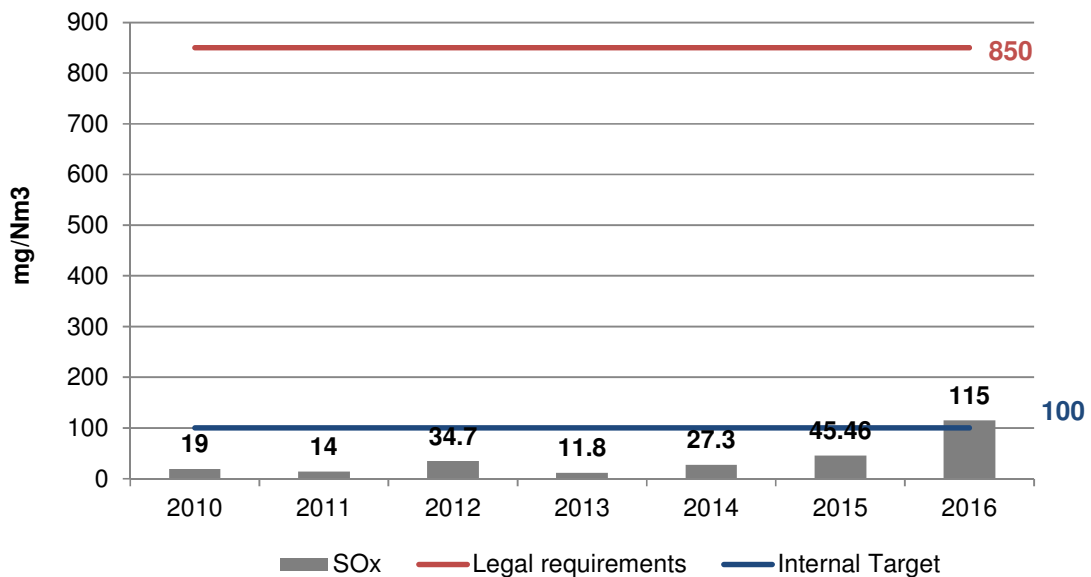
Concerning storage of petcoke, we follow all the legal requirements in Lebanon, including storage in a closed and sealed hall which is located inside the plant and not a residential neighborhood. Emissions of SO₂ are within the legal norms of 850 mg/Nm³, with average SO₂ levels of 115 mg/Nm³ and 79 mg/Nm³ for 2016 and 2017 (till end of August) respectively.

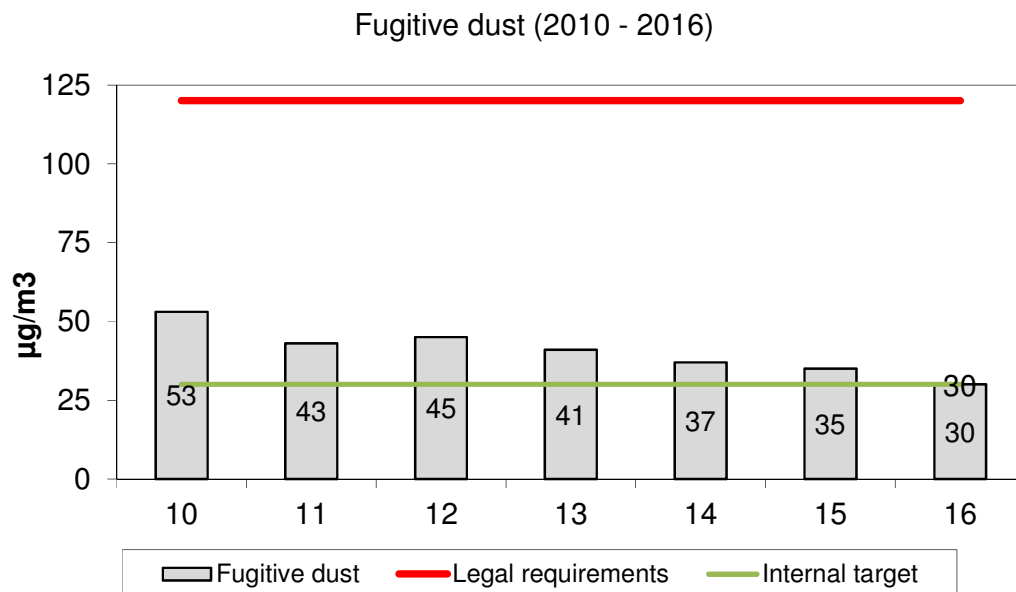
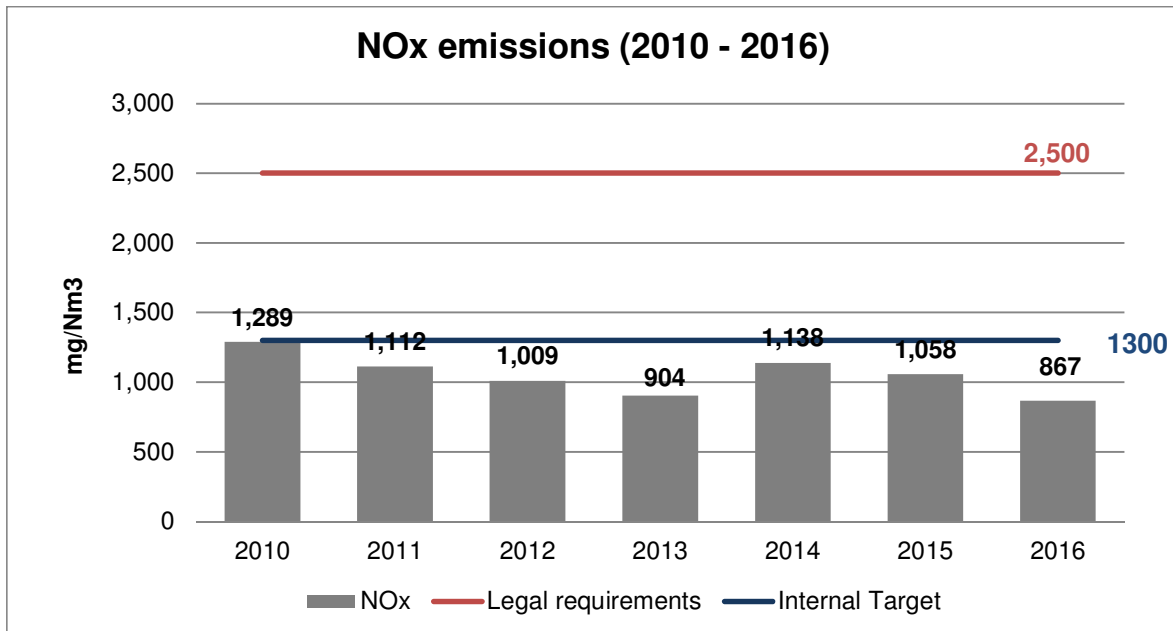
Finally, we reiterate our commitment to continuous dialogue with our stakeholders and to whom we remain committed to building relationships of mutual trust and respect. We will maintain our commitment to be transparent about what we do.

Dust at stack (2010 - 2016)



SO2 emissions (2010 - 2016)





Best regards,

Grace Elazar
 Communication and Sustainable Development Manager
 Holcim Lebanon