



## Short Communication

# Effect of Composting process on Stake Holders in Lahore Compost Pvt. Ltd, year 2013

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## Abstract

*The Lahore Compost plant site is located in Mehmood Booti (MB) dumping site, since 2006 composting plant is functional at LCL. The accessibility and power supply are appropriate. Lahore Compost remains updated from the effect of operations of Lahore Compost Pvt. Ltd on its stake holders. Stakeholder consultations were carried out. The objectives of the consultations were to obtain an overview of the socio-economic, characteristics of the groups affected by the LCL plant; to get views of stakeholders and judge the impacts on the affected people or groups.*

**Keywords:** Compost plant, Composting, Process, Stake Holders, Environmental.

## Introduction

The LCL is a part of Saif group of companies and is operating a composting plant by using organic waste, the municipal solid waste transported to Mahmood booti landfill place Lahore. LCL utilizing 1,000 tons in a day. Social welfare of stakeholders is an important role performed by the industry. The relational approach is defined by the stakeholders' theorists with the transactional approach of stake holder management<sup>1</sup>. The consultation of stakeholders is community based process. The basic objective of stakeholder consultation is to focus the affected groups and concentrate on the needs who are suffering by the change due to current composting plant and its expansion<sup>2</sup>. Stakeholder consultations are an ongoing process required for CDM (Construction design and management) monitoring and are done regularly.

## Methodology

Consultation were carried put in the village of mehmoodbooti and its surrounding communities which includes government officers, farmers in order to collect relevant information. Notes and data was acquired after having detailed meetings and interviews with the various stake holders of Lahore Compost (Pvt) Ltd. (LCL) in regards to health, safety and environmental issues that could affect the external as well as internal stakeholders of LCL. A semi-structured questionnaire were prepared to check the effect of composting plant on community. Stake Holders were divided into three main categories, Industrialist, general and Farmers. Field visits were made to carryout socio-economic survey to get an extensive feedback form all the stake holders. For the collection of data and views regarding health, safety and environment of the stakeholders

that may have been effected in any manner because of the operations of LCL, the following areas were visited: i. Neighboring locality of Mehmood Booti, ii. Farmers in the vicinity, iii. Owners of small industries around LCL, iv. School of the area.

## Results and Discussion

Environmental Impact of Lahore Compost on Farming Community: Lahore compost conducted a survey of nearby farming and asked questions, if a plant is affected the farming community or the composting plant has attracted some pests and rodents that could be harmful for the crops and plants. The results showed no such effects. The majority of people gave good response and they also accept that the organic matter content has been increased by the use of compost because compost is a rich source of organic matter. But if the amount of organic matter exceed from 30% in compost, it effects the plant and soil<sup>3</sup>. Compost results in soil improvement, it increases the soil fertility and act as a soil conditioner. It also improves the structure of soil. The greenery level is also enhanced by the use of compost<sup>4</sup>.

**Environmental Impact of Lahore Compost on Industrial Community:** On surveying the nearing industries we found out that most of industries were not affected by Lahore Compost plant. People response was good. Many nearby residents were affected by the black smoke omitted by the industries. Black smoke monitoring is very important to evaluate the quality of air<sup>5</sup>. The standard value of black smoke must be below PM 2.5.

**Environmental Impact of Lahore Compost on Residential Community:** The results of residential community affect was

also positive. The problem is with reference to the landfill site that is a cause of major problems people face in the area<sup>6</sup>. Post closure systems must be introduced to cope this problem. This system includes leachate and gas management system<sup>7</sup>.

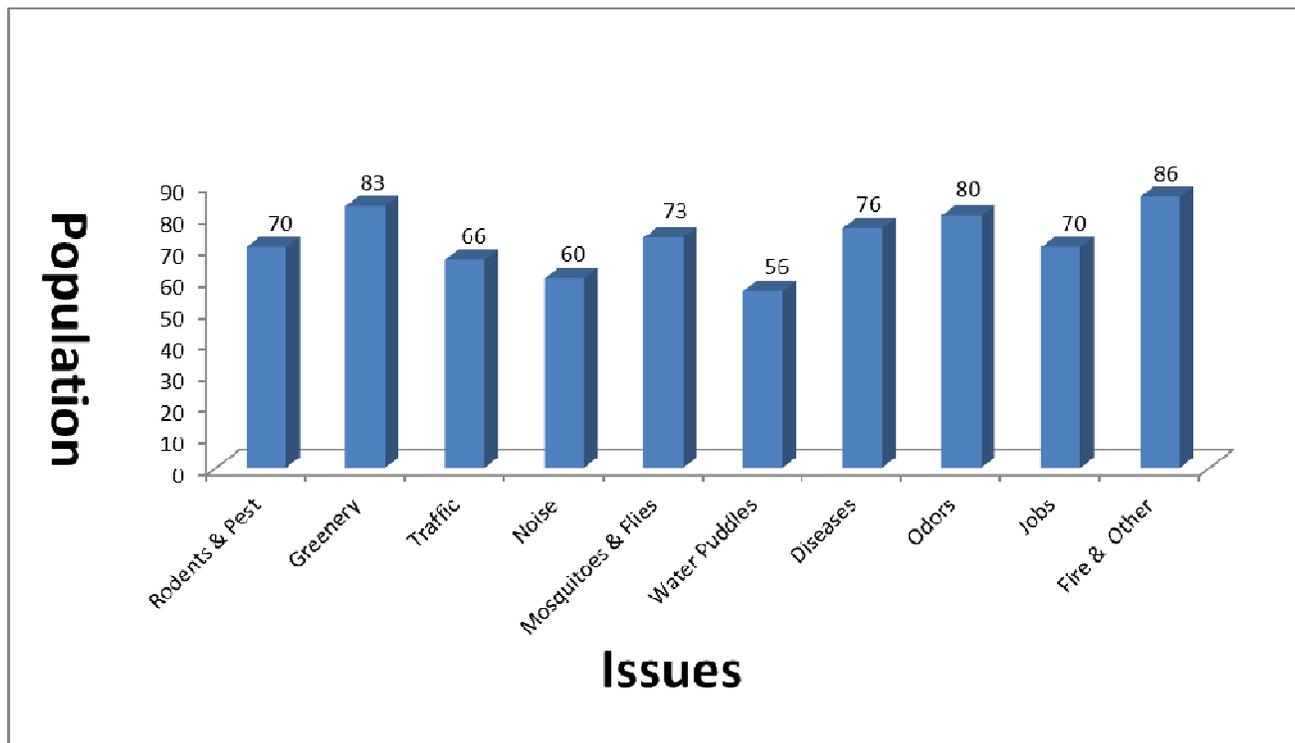


Figure-1  
Environmental Impact of Lahore Compost on Farming Community year 2013

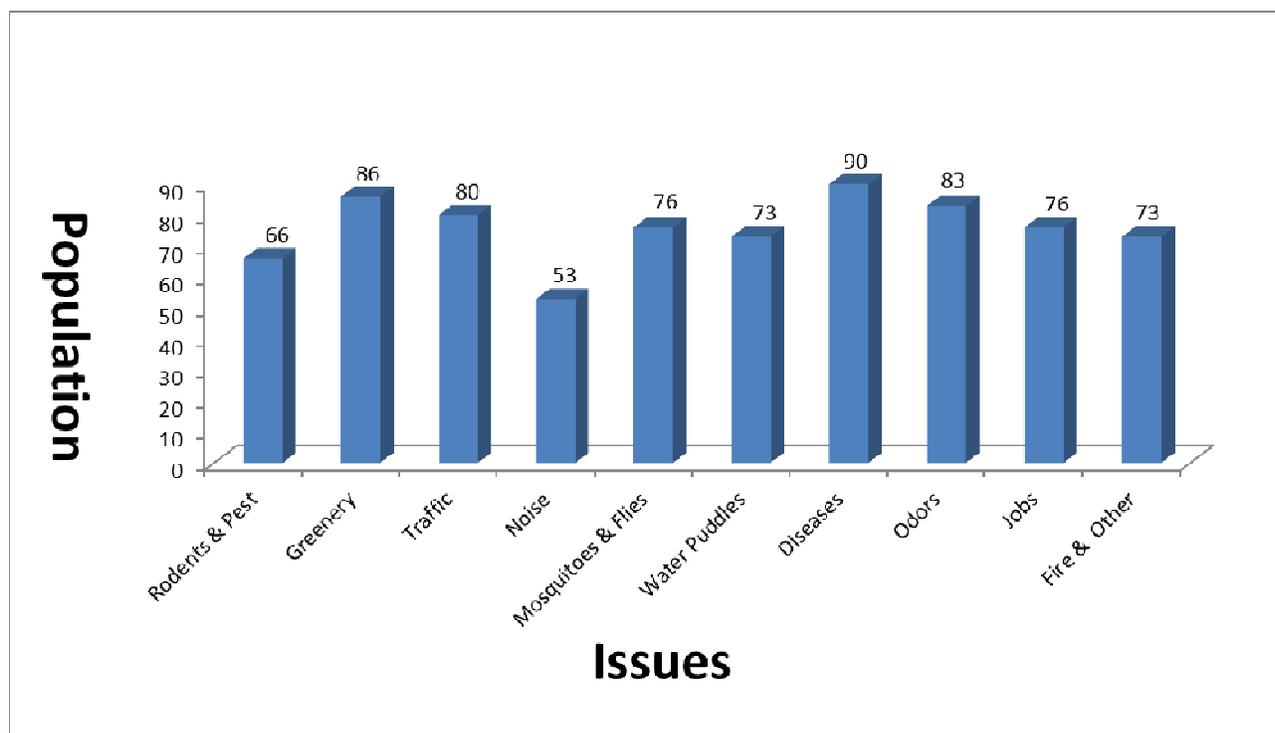


Figure-2  
Environmental Impact of Lahore Compost on Industrial Community year 2013

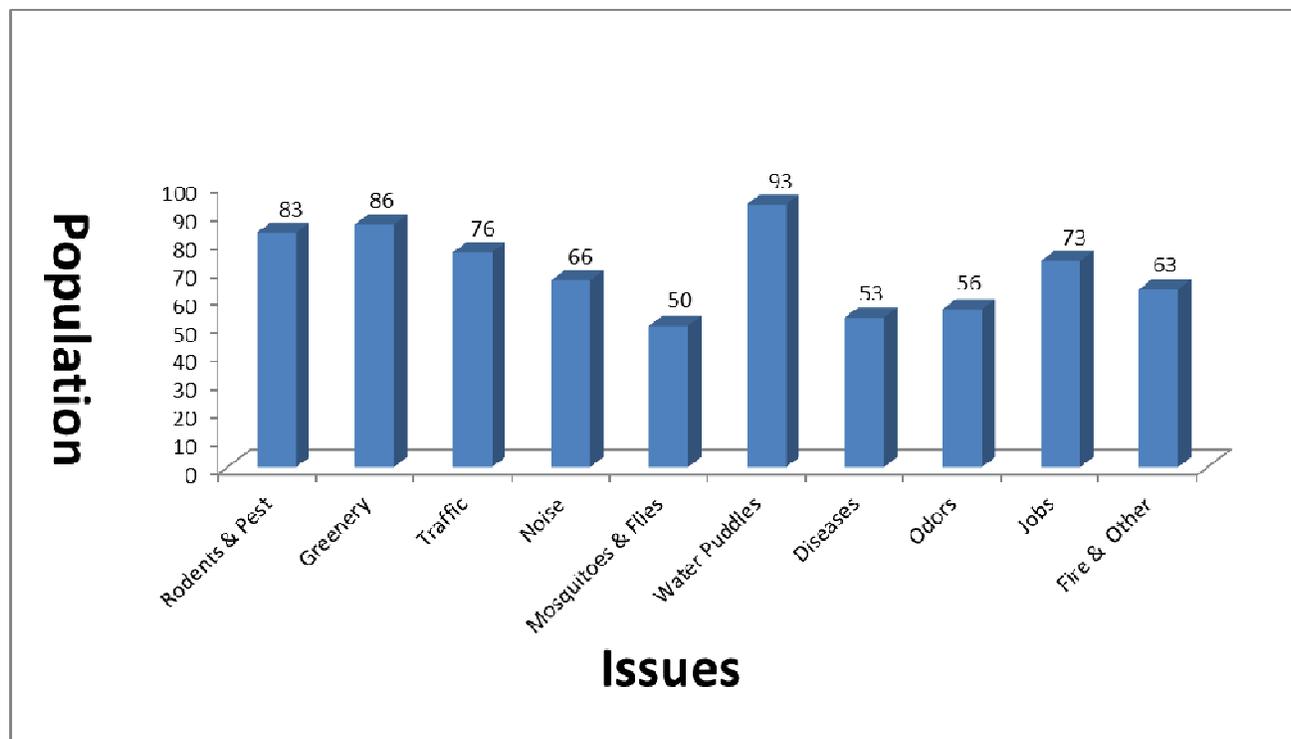


Figure-2  
Environmental Impact of Lahore Compost on Residential Community year 2013

## Conclusion

It was concluded from this study that stakeholder's response was positive and LCL plant do not affect the stakeholders much. On the basis of this consultation it was concluded that Lahore Compost should install a board near the gate with contact details of relevant person. A health and safety officer should be appointed by Lahore Compost Pvt. Ltd. continuous process of stake holder consultation.

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