

## **ANALYSIS OF GROUNDWATER QUALITY IN SOME CITIES OF HARYANA AND PUNJAB**

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### **Abstract**

The usual and the most neglected cause of water pollution are uncontrolled dumping of Municipal Solid Waste. Infiltration of water by rainfall, water already present in the waste, or water generated by biodegradation, cause the leachate to leave the dumping ground laterally or vertically and find its way into the groundwater thereby causing contamination. The leachate produced by waste disposal sites contains a large amount of contaminants which are likely to pollute ground water. The impact of such sites upon ground water can be judged by monitoring the concentration of potential contaminants at a number of specific monitoring points. In this study, the quality of ground water around municipal solid waste dumping site was investigated. Some particular cities of Haryana and Punjab have been taken. It is clearly evident from the ground water monitoring that the leachate generated from the landfill site is affecting the groundwater quality in the adjacent areas through percolation in the subsoil and with the passage of time the concentration of most of the parameters were found to be increased. Thus the study revealed that the ground water in and around the landfill site should not be used for drinking purpose unless it meets specific standards. Indiscriminate dumping of wastes in developed areas without proper solid waste management practices should be stopped.

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Sub Area: Ground water

Broad Area : Environmental Engg