

M. S. UNNIKRISHNAN
MANAGING DIRECTOR & CEO

May 29, 2010

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Dear Dr.Bhargava,

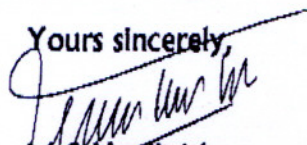
Further to your letter dated 24th May'10 with the detailed analysis of the waste as well as the contaminated soil based on the CSE study inside and outside the Union Carbide Bhopal unit, we would like to reiterate our opinion as:

1. Waste sampling with contaminated soil as well as stored toxic material (28 years old) is not sufficient enough to arrive at a remediation mechanism. In a large mass of waste (hundreds of tons as in this case) it is next to impossible to predict the uniformity of the waste-content and its characterization based on a limited sample analysis.
2. Even the characteristic as depicted in the limited sample enclosed in your letter, indicate a very high concentration of chlorinated organic chain. Halogenated compounds, when thermally oxidized (like in incineration) in the presence of heavy metals at high temperature can create "dioxins".
3. Heavy metal content in the sample data is way too high for any conventional waste-treatment techniques to mitigate the hazard.
4. With an expected diverse contents in the various batches of the waste, incineration will produce unpredictable products of combustion. The impact of this on life cannot be inferred or predicted.
5. To the best of our knowledge, there aren't any incinerators currently in operation within our country, that has the level of sophistication and safety systems in-built to tackle the waste under consideration.

We are sure these inputs will enable you to arrive at a right decision while disposing/destructing the contaminated soil as well as the stored waste.

Warm regards,

Yours sincerely,



M. S. Unnikrishnan

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