December 6, 2014
Panel Discussion
*Industrial Disaster Prevention: Examining Corporate Responsibility, Obstacles & Solutions*
A subsidiary of The Dow Chemical Company
1930-35 Hawk’s Nest, West Virginia, USA
Mr. Robison:

The camps of the colored men were not close to the camps for the white men. If a colored man was sick and really couldn’t go to work in the morning, he had to hide out before the shack rouster came around. That fellow had two pistols and blackjack to force the men to go to work...

If we didn’t go with him or go to work he would club us and make us go, and if we resisted him he would shoot us, so there really wasn’t anything to do but to do what he told us to do. The only thing a sick man could do to avoid work was to hide out before this man showed up.
While digging Hawks Nest Tunnel in early 1930s, hundreds of the mostly black, migrant workforce contracted acute silicosis from silica dust and later died. Many were buried in secret, unmarked graves to the north. In 1971, the bodies were reburied nearby. The tragic event is one of the worst disasters in American history.
1963-85 King City, California, USA

All asbestos used in the United States

Chrysotile

All Others

95%

5%
Figure 28–9. Production of Asbestos and Disease

Asbestos and Disease

Worldwide Asbestos Production
1940 - 2003

Asbestos Production in Thousands of Metric Tons

*Source: USGS Minerals Yearbook chapters on asbestos
Asbestos and Disease

- **1880**: Start of commercial production of:
  - chrysotile
  - crocidolite
  - amosite
  - anthophyllite

- **1900**: Recognition of association with asbestos exposure
  - Asbestosis
  - Lung cancer
  - Mesothelioma
  - Other cancers

- **1980**: Peak in asbestos production (in 1000 tons)

The chart shows the timeline of asbestos production and associated diseases.
Asbestos and Disease

US Asbestos Consumption (metric tons)

*Source: USGS Minerals Yearbook chapters on asbestos and the 2011 Mineral Commodity Summaries chapter on asbestos*
March 21, 1969

Recognized major hazards at the King City location are as follows:

1. Breathing Asbestos Dust

1. All employees are exposed in varying degrees to asbestos dust - which if breathed in sufficient quantities for long enough may result in Asbestosis, Mesothelioma, and Lung Cancer. Dr. Welsh stated that there is a synergistic effect on the probability of Lung Cancer, when a person who smokes also breathes asbestos dust.

Yours very truly,

J. A. Riddle
May 9, 1969

Mr. T. Frank Tobin
Plant Manager
Stedfast Rubber Co., Inc.
50 Oliver Street
North Easton, Mass. 02356

Dear Mr. Tobin:

The enclosed "Asbestos Toxicology Report" explains some of the facts concerning handling of asbestos. Our CALIDRIA Resin-Grade 144 Asbestos is nearly pure chrysotile asbestos. A different type, known as crocidolite, is believed by many authorities to be implicated in causing mesothelioma and lung cancer. Our asbestos products do not contain crocidolite, which is a product of South Africa. A connection between chrysotile asbestos and mesothelioma or lung cancer has not been clearly determined.

Yours very truly,

J. A. Riddle
Plant Manager
INDIA’S ASBESTOS TIME BOMB
Prefaces
Ravindra Ganpat Mohite
Mangabhai N. Patel

Introduction
Laurie Kazan-Allen

The Political Context of India’s Asbestos Debate
The Indian Government’s Complicity in the Asbestos Scandal
Madhumita Dutta
Smoke and Mirrors: Chrysotile Asbestos is Good for You—
Illusion and Confusion but not Fact
Dr. Richard Lemen
Abuse of the Mass Media by the Indian Asbestos Industry
Dr. Sanjay Chaturvedi

Quantifying the Problem
Health Hazards due to Asbestos Exposure in India
Dr. Qamar Rahman
Dumping Hazardous Waste in India: Toxic Ships
Gopal Krishna
Living with Asbestos: A Dangerous Existence
Anup Srivastava and Vipul Pandya
Views from the Asbestos Front Line
P. Madhavan
Potential Health Hazards of Asbestos-Cement Roofing for India’s Poor
Nick Clarke
Asbestos Multinationals in India: The Experience of Turner & Newall
Dr. Geoffrey Tweedale

Gujarat: An Asbestos Hot Spot
The Struggle against Asbestos-Related Diseases in Gujarat
Jagdish Patel
"Monitoring" Environmental Pollution and Asbestos Exposure in Gujarat
Dr. Linda Waldman

Diagnosis, Treatment and Compensation
Asbestos-Related Disease in India
Dr. Sudhakar R. Kamat
Difficulties in the Diagnosis of Asbestos in India
Dr. V. Murlidhar
The Struggle by Mumbai Workers for Compensation
Dr. Rakhal Gaitonde and Madhumita Dutta

And Finally...
The Future
Laurie Kazan-Allen

Appendices
References
http://worldasbestosreport.org/articles/iatb/toc.php

-free download of book and related film-

INDIA’S ASBESTOS TIME BOMB
Still Using Asbestos

US Asbestos Imports (Metric Tons)

Asbestos used in US Chloralkali Industry (Including Dow, UCC)

COMES NOW Defendant UNION CARBIDE CORPORATION ("UNION CARBIDE"

or "Defendant") denying liability for itself and any alternate entities named in the complaint, and

answering plaintiffs' Complaint for Damages (Wrongful Death) - Asbestos (hereinafter the

"Complaint"), on file herein, admits, denies, and alleges as follows:

GENERAL DENIAL

Under the provisions of Section 431.30(d), California Code of Civil Procedure, this

answering defendant denies each and every allegation of plaintiffs' Complaint and the whole

thereof, and denies that plaintiffs have been damaged in any sum or amount whatsoever, or at all,

and denies that plaintiff is entitled to recover damages of any kind in any amount whatsoever

from UNION CARBIDE.
Still in Denial

“denying liability for itself”

“denies each and every allegation”

“denies”

“DENIAL”

“denies”

“denies”

“denies”
www.kazanlaw.com/bhopal