



AMERICAN ACADEMY of ACTUARIES

March 5, 2003

The Honorable Orrin G. Hatch
Chairman
Committee on the Judiciary
United States Senate
Washington, DC 20510

Dear Chairman Hatch:

Thank you for inviting me to provide written testimony on behalf of the Mass Torts Subcommittee of the American Academy of Actuaries¹ regarding the Judiciary Committee's March 5 hearing on asbestos litigation. My testimony was based on the Academy's monograph, "*Overview of Asbestos Issues and Trends*," published December 2001 (referenced throughout as the "Academy monograph"). I am pleased to offer this letter, which updates and clarifies some of the information contained in our prior testimony (in a question-and-answer format), and I respectfully request that it be submitted for inclusion in the hearing record.

Q1. Do you have more recent information concerning the current personal injury claim situation, since the Academy monograph was published?

A1. There is updated information concerning the number of claimants, the number of defendants, and the amount of liabilities recognized by the U.S. insurance industry.

The Academy monograph reported that the Manville Trust had received over 500,000 claims through June 2001.² During 2002, the Manville Trust received 55,930 claims, bringing the cumulative total from inception of the Manville Trust in 1988 through year-end 2002 to 591,299.³

¹ The American Academy of Actuaries is the public policy organization for actuaries practicing in all specialties within the United States. A major purpose of the Academy is to act as the public information organization for the profession. The Academy is non-partisan and assists the public policy process through the presentation of clear and objective actuarial analysis. The Academy regularly prepares testimony for Congress, provides information to federal elected officials, comments on proposed federal regulations, and works closely with state officials on issues related to insurance. The Academy also develops and upholds actuarial standards of conduct, qualification and practice, and the Code of Professional Conduct for all actuaries practicing in the United States.

² Academy monograph, p. 3.

³ The Manville Trust reported in its second quarter 2002 report that it had changed its procedures for reporting claim counts, in that it would no longer include "disqualified" claims in future reported claim counts. Hence the previously reported 500,000 claim count and the new 591,299 claim count may not be entirely comparable. If the Manville data is used for determining overall asbestos claim trends, we recommend making adjustments for the change in claim filing systems and the change in the level of compensation by disease type.

The Academy monograph reported a defendant count of more than 2,000 companies.⁴ The RAND Study now places the defendant count at 8,400.⁵ Additionally, RAND states that at least one company in nearly every U.S. industry is now involved in asbestos litigation.⁶

The Academy monograph noted that U.S. insurers and reinsurers had paid approximately \$22 billion and held approximately \$10 billion in reserves to pay future claims as of year-end 2000.⁷ Insurers and reinsurers paid approximately \$1.5 billion during 2001, bringing cumulative payments to \$23.5 billion as of year-end. Incurred losses increased by approximately \$4.1 billion during the year, resulting in year-end 2001 reserves of \$12.9 billion.⁸ A.M. Best estimated that reserve additions could have reached \$7.6 billion during 2002.⁹

- Q2. There are varying estimates of the percentage of plaintiffs with malignant diseases versus those that have nonmalignant diseases versus those that are not currently impaired. Please clarify.
- A2. The Academy monograph states that "...2,000 new mesothelioma cases filed each year. There are another 2,000 to 3,000 cancer cases.... There are a smaller number of serious asbestosis cases. The remaining cases are either pleural injuries or claimants who do not currently exhibit signs of injury. It is estimated that more than 90 percent (or more than 54,000 claims filed during 2000) are for claimants alleging nonmalignant injuries."¹⁰

We note, as referenced in the Academy monograph, that claimants with nonmalignant injuries include both the impaired and the unimpaired.

- Q3. Have there been any additional bankruptcies since the Academy's monograph was published in December 2001?
- A3. We believe there have been at least 67 distinct asbestos-related bankruptcies. In addition to the 52 asbestos defendants declaring bankruptcy (shown in Reference List 2 of the Academy monograph), there have been at least 15 additional bankruptcies, as shown below with the year of filing.¹¹

⁴ Academy monograph, p. 4.

⁵ *Facts and Figures About Asbestos Litigation: Highlights from the New RAND Study* January 23, 2003 presentation to the U.S. Chamber of Commerce, p. 2.

⁶ *Facts and Figures About Asbestos Litigation: Highlights from the New RAND Study* January 23, 2003 presentation to the U.S. Chamber of Commerce, p. 10. Asbestos claims have been filed against companies in 75 of 83 industry groups at the 2-digit SIC code level, per Steve Carroll, coauthor of the RAND Study.

⁷ Academy monograph, p. 4.

⁸ A.M. Best Special Report "*Largest Increase in A&E Losses to Date Seen in 2001*", October 28, 2002, p. 4.

⁹ A.M. Best Company Review / Preview "*The Turning Point: Hard Market Widens the Gap Between the Strong and the Weak*", January 2003, p. 10. Actual amounts as recorded in 2002 Annual Statement data of the insurers and reinsurers will become available in a few months.

¹⁰ Academy monograph, p. 3.

1. A.P. Green, 2002
2. A-Best, 2002
3. AC&S, 2002
4. ARTRA (Synkoloid), 2002
5. Bethlehem Steel, 2001
6. Combustion Engineering, 2003
7. Harbison Walker, 2002
8. J.T. Thorpe, 2002
9. Kaiser Aluminum and Chemical, 2002
10. MacArthur Companies (MacArthur Co., Western MacArthur Co., and Western Asbestos), 2002
11. North American Refractories, (NARCO)/RHI, 2002
12. Plibrico, 2002
13. Porter Hayden, 2002
14. Shook & Fletcher, 2002
15. Swan Transportation, 2001

In addition to the list above, an intention to file for bankruptcy protection has been announced for claims made against (1) Halliburton subsidiaries: DII Industries (formerly Dresser Industries) and Kellogg Brown & Root¹², and (2) Honeywell International's Bendix friction materials business.¹³

The annual number of asbestos-related bankruptcy filings has increased dramatically. While bankruptcy filings for three-year spans from 1982-1984 through 1997-1999 ranged from a low of three to a high of eight, bankruptcy filings totaled 28 for the three-year period 2000-2002. Details by year are shown in Attachment 1.

- Q4. Are there any other estimates of the cost of asbestos litigation to society?
- A4. The American Insurance Association commissioned a study regarding the economic impact of asbestos-related bankruptcies. According to the study, "the bankruptcies associated with asbestos liabilities have had a marked deleterious effect on workers in those firms." "These companies are spread across the nation, with 47 states having at least one asbestos-related bankruptcy." Other key findings of the study include:

¹¹ The Academy monograph list excludes the Asbestos Claims Management Corp. (New National Gypsum Co.), which filed bankruptcy in 2002. (Old) National Gypsum Company originally filed for bankruptcy in 1990 and was included in the original Academy Monograph list, p.17.

¹² Mealey's Litigation Report: Asbestos, "*Halliburton Asbestos Claims Settlement Plan Announced*", December 18, 2002. Halliburton announced its intent to file a prepackaged Chapter 11 bankruptcy filing for DII Industries and Kellogg Brown & Root once Halliburton obtains financing commitments.

¹³ Mealey's Litigation Report: Asbestos, "*Federal Mogul to Buy Honeywell Friction Business*", January 31, 2003. Federal Mogul announced its intent to acquire Honeywell International's Bendix friction materials business, and the two companies seek to establish a bankruptcy trust for claims against Bendix. The agreement is conditioned upon Honeywell receiving a permanent channeling injunction under 524(g) of the U.S. Bankruptcy Code.

The Honorable Orrin G. Hatch

March 5, 2003

Page 4

- “Bankruptcies led to a loss of an estimated 52,000 to 60,000 jobs;
- Each displaced worker at the bankrupt firms will lose, on average, an estimated \$25,000 to \$50,000 in wages over his or her career because of periods of unemployment and the likelihood of having to take a new job paying a lower salary; and
- The average worker at an asbestos-related bankrupt firm with a 401(k) plan suffered roughly \$8,300 in pension losses, which represented, on average, a roughly 25-percent reduction in the value of the 401(k) account.”¹⁴

Q5. Have there been any changes in the way plaintiffs’ attorneys view the asbestos situation?

A5. The Academy monograph outlined the “Concerns of Major Parties Involved in Asbestos (Personal Injury) Litigation,” including plaintiffs’ attorneys. The Academy monograph noted that the issues for plaintiffs’ attorneys are generally the same as those of their clients: “Seriously Injured Claimants” and “Nonseriously Injured and Unimpaired Claimants.” While the concerns of these groups as stated in the Academy monograph¹⁵ remain accurate, the plaintiffs’ attorneys who represent seriously injured claimants have been more supportive of legislative changes to the asbestos litigation system than are those who represent nonseriously injured and unimpaired claimants, as illustrated by the attached document (see Attachment 2).

Additionally, on February 11, 2003 the House of Delegates of the American Bar Association (ABA) voted to support legislation that would establish specific medical criteria that must be satisfied by those alleging nonmalignant asbestos-related disease in order to file an asbestos lawsuit. The proposal would also toll all applicable statutes of limitations until such time as the medical criteria were met.

Thank you very much for your consideration. Please do not hesitate to contact Greg Vass, the Academy’s Senior Casualty Policy Analyst, at (202) 223-8196 if you have any questions or would like additional information.

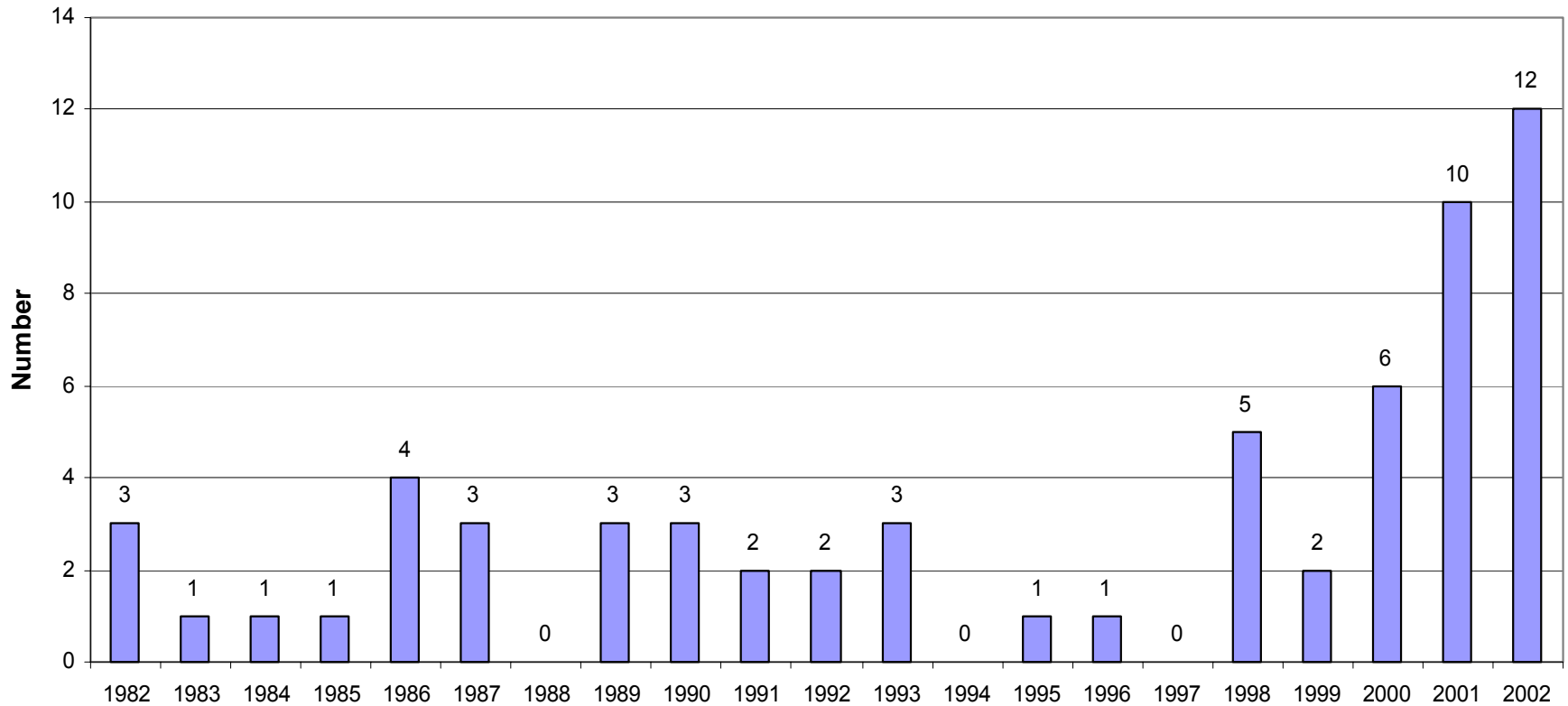
Sincerely,

Jennifer L. Biggs, FCAS, MAAA
Chairperson
Mass Torts Subcommittee
American Academy of Actuaries

¹⁴ “*The Impact of Asbestos Liabilities on Workers in Bankrupt Firms*”, Joseph E. Stiglitz, Jonathan M. Orszag, Peter R. Orszag, December 2002, Executive Summary, p.3

¹⁵ Academy monograph, p. 5-6.

Number of Asbestos Related Bankruptcies per Year



Note: Excludes two bankruptcies for which no date is available.

THE ASBESTOS SYSTEM IS BROKEN. ONLY CONGRESS CAN FIX IT.

AN APPEAL TO CONGRESS BY MEMBERS OF THE ASBESTOS BAR

It is a rare day when asbestos trial lawyers agree with companies we have faced in court. We are historically adversaries. Today, despite our differing views and interests, we agree with defendant companies that asbestos litigation is out of control and is seriously hurting those it should be helping most.

Here is the problem — an avalanche of questionable claims is shrinking precious resources to pay the sick. The result — more than 200,000 claims are pending, and more than 60 companies have filed for bankruptcy. It is a crisis of such proportions that it defies us all. That is why members of the asbestos trial bar listed below are asking the U.S. Congress to intervene. Legislation is needed to restore justice to our legal system and ensure that the sick not only move to the front of the line but are compensated when they do. We call on Congress to enact a simple formula:

- ESTABLISH MEDICAL CRITERIA THAT SEPARATE THE SICK FROM THOSE WHO ARE NOT.
- COMPENSATE ONLY THOSE WHO ARE SICK, BUT GUARANTEE THOSE WHO ARE HEALTHY THEIR DAY IN COURT IF, AND WHEN, THEY BECOME ILL.

THE TRUE VICTIMS OF ASBESTOS AND THEIR FAMILIES HAVE SUFFERED ENOUGH.

WE APPEAL TO CONGRESS TO ACT BEFORE IT'S TOO LATE.



Law Offices of Bruce L. Ahnfeldt
Napa, CA

Bergman Senn Pageler & Frockt
Vashon, WA

Casey Gerry Reed & Schenk
San Diego, CA

Law Offices of Jonathan David
The Woodlands, TX

Davis & Heubeck
Los Angeles, CA

Law Offices of Frank H. Finney
Alamo, CA

Harowitz & Tigerman
San Francisco, CA

Hobin Shingler & Simon
Antioch, CA

**Kazan, McClain, Edises, Abrams,
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San Francisco, CA

Paul, Hanley & Harley
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Law Offices of John C. Robinson
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For more information, visit www.asbestossolution.org



AMERICAN ACADEMY *of* ACTUARIES

**Committee on the Judiciary
United States Senate**

**Hearing on
“The Asbestos Litigation Crisis Continues-It is Time for Congress to Act”**

**Statement of Jennifer L. Biggs, FCAS, MAAA
Chairperson, Mass Torts Subcommittee
American Academy of Actuaries**

March 5, 2003

The American Academy of Actuaries is the public policy organization for actuaries practicing in all specialties within the United States. A major purpose of the Academy is to act as the public information organization for the profession. The Academy is nonpartisan and assists the public policy process through the presentation of clear and objective actuarial analysis. The Academy regularly prepares testimony for Congress, provides information to federal elected officials, comments on proposed federal regulations, and works closely with state officials on issues related to insurance. The Academy also develops and upholds actuarial standards of conduct, qualification and practice and the Code of Professional Conduct for all actuaries practicing in the United States.

Executive Summary

The asbestos problem, initially recognized decades ago, is not going away. Recently, asbestos litigation has been described by the U.S. Supreme Court as an “elephantine mass¹” and by A.M. Best as a “tidal surge.”² Litigation that most thought would decline by the end of the 20th century is accelerating. The number of annual claim filings is increasing. The size of awards made to settle claims is also increasing.

Two recent estimates from actuarial consulting firms long-involved in such work indicate that the ultimate costs arising from U.S. exposure to asbestos could range from \$200 to \$275 billion. Approximately 2,000 people per year are dying from mesothelioma, a signature disease of asbestos. However, many defendants assert that the majority of claimants filing claims and receiving awards are not impaired. The mass and cost of the litigation are forcing otherwise healthy companies to file for bankruptcy.³

As the initial targets in the litigation have become unable to pay their share of damages, plaintiffs attorneys have named additional peripheral defendants (who did not manufacture asbestos and thus contend that they were generally less likely to have known of its dangers to human health) in the lawsuits. Many defendant companies believe they are not getting a fair legal evaluation of their cases in court, and the Supreme Court has twice overturned efforts to resolve the litigation through class action settlements. While Congress has been called upon to act, no major legislative action has yet occurred.

Introduction

On behalf of the American Academy of Actuaries' Mass Torts Subcommittee, I appreciate the opportunity to submit a written statement for this hearing on issues related to asbestos litigation. I hope this information will be helpful to members of the Committee in their deliberations. My statement incorporates the substance of a public policy monograph published by the Academy in December 2001 (*Overview of Asbestos Issues and Trends*). Its purpose was to provide a brief history of personal injury claims arising out of asbestos exposure to aid in understanding current issues arising out of these claims.

This statement is organized into the following sections:

- History of Asbestos Usage
- Health Risks Associated with Asbestos Exposure
- Current Personal Injury Claim Situation
- Concerns of Major Parties Involved in Asbestos (Personal Injury) Litigation
- Prior Efforts to Solve the Asbestos Problem
- Summary and Conclusions

History of Asbestos Usage

Asbestos was once considered a “miracle mineral⁴.” This naturally occurring silicate has six varieties⁵ and many favorable characteristics, including resistance to fire, heat, and corrosion. It is strong, durable, and flexible - its fibers can be woven into cloth. Asbestos is inexpensive because it is available in abundant quantities. Its versatility has led to its use as a component of numerous products in numerous industries (e.g., building materials such as insulation, roofing, and flooring, brake and boiler linings, wire insulation, gaskets, and ship building - especially during World War II). In fact, asbestos was classified as a strategic material during World War II.⁶

It has been estimated that more than 100 million⁷ people in the United States were occupationally exposed to asbestos during the 20th century. This is significantly higher than the 27.5 million Americans previously estimated to be exposed to asbestos between 1940 and 1980 in a 1982 Mt. Sinai School of Medicine study conducted by Dr. William Nicholson, Dr. Irving Selikoff, and George Perkel.⁸

Asbestos use in the United States has been curtailed significantly since its peak of nearly 1 million tons in 1973.⁹ After Congress passed the Occupational Safety and Health Act (OSHA) in 1970, increasingly strict standards were imposed to enforce safety precautions in the workplace. However, these workplace safety standards do not protect end-users of asbestos-containing products.

There were approximately 3,500 products in U.S. commerce that contained asbestos when the U.S. Environmental Protection Agency (EPA) attempted to place a complete ban on asbestos in 1989. The EPA's ban was successfully challenged before the 5th U.S. Circuit Court of Appeals in 1991. The case was remanded to the trial court, which left very few portions of the ban intact.¹⁰ Thus, asbestos-containing products are still legal in the United States today. Approximately 600,000 to 700,000 tons of asbestos were imported into the United States during the past ten years and used in various industries; however, the end uses are not tracked effectively, and warning label requirements are vague. Therefore, there remains ongoing exposure to asbestos in the United States today.

Asbestos use continues at significantly higher levels abroad, especially in developing nations. Due to the immediate benefits of some asbestos products (e.g., inexpensive cement pipes to transport clean drinking water or to dispose of sewage), its use is widespread. Unfortunately, in many nations, few safety precautions are being taken, and there is a large number of individuals who may potentially contract future asbestos-related diseases.

Even if asbestos usage in products ceased immediately throughout the world, potential individual exposure to asbestos fibers would continue, perhaps indefinitely. This residual exposure would be caused by:

- Previously manufactured products containing asbestos that have not been replaced or discarded;
- Dust or other waste remaining in the environment from previous use or incomplete disposal of those products;
- Erosion of naturally occurring deposits in asbestos-bearing rocks.^{11, 12}

Health Risks Associated With Asbestos Exposure

Several diseases have been linked to asbestos exposure, including mesothelioma, lung cancer, other cancers, asbestosis, and pleural injuries. A long latency period from initial exposure to disease manifestation resulted in delayed recognition of its health hazards. This contributed to the unrestricted (or minimally restricted) use of asbestos until OSHA standards were implemented in the 1970s.

Asbestos Diseases		
Disease	Injury ¹³	Average ¹⁴ Latency
Mesothelioma ¹⁵	<ul style="list-style-type: none"> ■ A malignant tumor arising in the pleura¹⁶ membranes (of the lungs or diaphragm) and pericardial membrane of the heart. ■ Symptoms may be vague, including chest pain, shortness of breath, weakness, and weight loss. Diagnosis may be suspected by chest X-ray, but a full pathologist's microscopic exam is needed. ■ Fatal within 1 - 2 years. 	30-40 years
Lung Cancer	<ul style="list-style-type: none"> ■ A malignant tumor of the bronchi¹⁷ covering that grows to surrounding tissue. ■ Symptoms include chest pains, cough, weakness, and shortness of breath. Chest X-rays may detect the cancer, but a pathologist's microscopic exam is needed. ■ Often fatal. 	20-30 years
Possibly Other Cancers ¹⁸	<ul style="list-style-type: none"> ■ Tumors of the throat, larynx, esophagus, stomach, colon, lymphoid. ■ X-rays may detect the cancer, but a pathologist's microscopic exam is needed. ■ Often fatal. 	20-30 years
Asbestosis	<ul style="list-style-type: none"> ■ A pulmonary insufficiency caused by scarring near alveoli. (As the body tries to dissolve asbestos fibers trapped in lung tissue, it produces an acid that does little damage to the fibers, but may cause severe scarring in the surrounding tissue.¹⁹) ■ Diagnosis through physical signs, history of exposure, pulmonary functioning test, CT scan/radiological findings. Some appreciable level of exposure over 10 years is likely required before a detectable significant amount of functioning is lost. ■ Slowly progressive, potentially fatal. 	10-20 years ²⁰
Pleural Injuries	<ul style="list-style-type: none"> ■ Generally nonimpairing fibrosis or scarring of pleura tissue over the chest wall or diaphragm. ■ Evidenced by effusion, thickening, plaque, or calcification. ■ Do not appear to be pre-cancerous, but may increase risk of developing lung cancer in the future. 	20-30 years

Current Personal Injury Claim Situation

There have been many epidemiological studies regarding the population exposed to asbestos in various industries, the latency and incidence of disease, and the resulting projections of individuals expected to file asbestos-related claims (see Reference List 1). These projections have varied widely. However, by June 2001, Johns-Manville, the most prominent early defendant in asbestos litigation, had already received more than 500,000 personal injury claims. The Manville Trust (finally approved in 1988 after Johns-Manville declared bankruptcy in 1982) now expects that it will eventually receive about 2 million total claims.²¹

It is estimated that there are currently at least 200,000²² asbestos bodily injury (BI) cases pending in state and federal courts. About 60,000 new claimants filed lawsuits during 2000²³. This figure is significantly higher than the average of approximately 20,000 per year experienced by several major defendants in the early 1990s. The increase was not expected based on the epidemiological studies performed in the 1980s and 1990s, partly because these studies underestimated the exposed population. Other reasons for the increased filing rate include:

- The greater propensity of claimants to sue in response to the aggressiveness of some plaintiffs attorneys;²⁴
- A “catch-up” of filings after an attempted class action settlement²⁵ was overturned;
- The need to file claims by a certain date in order to get on the creditor list in a bankruptcy, coupled with the recent bankruptcies of several companies that produced asbestos products;
- Expedited action on the part of the claimants anticipating possible legal reform efforts.

A disproportionate percentage of the claims are filed in state courts in perceived pro-plaintiff jurisdictions, clear evidence some say, of “forum shopping” on the part of plaintiffs attorneys. For example, while Mississippi²⁶ has only 1 percent of the U.S. population, approximately 20 percent of the pending cases were filed in this state. Similar disproportionately large percentages of cases were filed in Texas, with the number decreasing somewhat after the state enacted tort reform in 1997.

There are currently about 2,000 new mesothelioma cases filed each year.²⁷ There are another 2,000 to 3,000 cancer cases that are likely attributable (at least in part) to asbestos. There are a smaller number of serious asbestosis cases. The remaining cases are either pleural injuries or claimants who do not currently exhibit signs of injury.²⁸ It is estimated that more than 90 percent (or more than 54,000 claims filed during 2000) are for claimants alleging nonmalignant injuries. There is significant concern that the awards paid for nonmalignant claims will exhaust funds that would otherwise be available to compensate individuals who will suffer from the more serious asbestos-related diseases.

Many workers with asbestos-related injuries were employed in union trades (such as installers and electricians) and worked at a large number of sites with asbestos-containing products over their careers. Some of these job sites had numerous asbestos-containing products. As a result, many of these workers name a large number of defendants in their lawsuits.

Plaintiffs attorneys typically join several plaintiffs in a group to file claims against multiple defendants. The plaintiffs’ injuries are often quite dissimilar, ranging from those who are not currently impaired or who have nonmalignant injuries to those suffering from cancer and mesothelioma. This grouping of claims, defendant companies assert, has forced them to make payments on claims of perceived questionable merit in order to avoid facing the mesothelioma cases in court in front of a sympathetic jury with the potential for substantial punitive damages.

The involvement of multiple plaintiffs and multiple defendants results in a more complicated and expensive process for resolving asbestos claims than for typical tort claims (see Exhibit 1).

As a result of asbestos litigation, many companies, including nearly all of the major asbestos manufacturers, have declared bankruptcy (see Reference List 2). As the financial stability of these major players has become impaired and they have been unable to pay their share of damages, the share of awards that must be satisfied by the remaining major defendants has increased, and plaintiffs have named additional peripheral defendants in the lawsuits. While approximately 300 companies were targeted by plaintiffs in the 1980s, more than 2,000 companies have been named as defendants in asbestos litigation today.²⁹

The activities that have resulted in asbestos lawsuits include those of the major defendants, such as producers of raw asbestos, installers, and insulators, as well as the activities of the peripheral defendants, who manufactured products where asbestos was encapsulated, were distributors of products containing asbestos, or were owners of premises that contained asbestos. The connection of older peripheral defendants to asbestos is clear (e.g., use of asbestos as an insulating material by boiler manufacturers). However, the connection of some of the newer peripheral defendants to asbestos is not obvious (e.g., Campbell's Soup, Gerber (baby food), and Sears Roebuck.)³⁰

The potential culpability of many peripheral defendants is clearly different from that of the major manufacturers (e.g., Johns-Manville), and thus many believe that expecting these peripheral defendants to warn of the dangers of asbestos is unreasonable. Nonetheless, in the current legal system (where the plaintiff's burden of proof as to their injury and its connection to a peripheral defendant's product has sometimes been relaxed for the sake of administrative efficiency), these peripheral defendants are often held jointly and severally liable³¹ with the major producers³². They are now bearing a substantial portion of the costs of awards relating to decades of asbestos use.

Workers suffering from asbestos-related injuries were originally compensated through the workers' compensation system, subject to statutory benefit limits then in effect. However, in 1973, the plaintiffs in the landmark case of *Borel v. Fibreboard* were successful in holding asbestos manufacturers strictly liable for the failure to warn of an unreasonably dangerous product. Tort theory involved in asbestos litigation has continued to evolve over the years. The sheer number of asbestos claims has severely challenged the court system. Some feel that, in attempting to mitigate this problem, courts often choose not to apply typical negligence-based theories regarding product liability in asbestos cases. Awards for mesothelioma cases typically exceed \$1 million, with compensation for cancer and nonmalignant claims being lower. However, a significant portion of the dollars paid by defendants have not reached those who were injured, due to high transaction costs.³³ As the perception of asbestos litigation as a highly lucrative practice area has increased, so has the number of law firms specializing in this work.³⁴

Estimates of ultimate personal injury - related costs from exposure of the U.S. population to asbestos range from \$200 to \$275 billion.³⁵ Much uncertainty surrounds these estimates due to possible variations in disease emergence and incidence rates and legal costs. There is additional uncertainty as to who will ultimately pay these costs (e.g., whether it is the remaining viable defendants, their insurers, or some other source). Currently it is estimated that \$60 to \$70 billion of the costs will be borne by the U.S. property/casualty insurance market.³⁶ As of year-end 2000, U.S. insurers and reinsurers³⁷ had paid approximately \$22 billion and held approximately \$10 billion in reserves to pay future claims, as disclosed in their Annual Statements filed with state insurance departments.³⁸

Evolving Legal Theory		
<u>Date</u>	<u>Case</u>	<u>Significance</u>
1973	<u>Borel v. Fibreboard</u> ■ Fifth Circuit U.S. Court of Appeals	<ul style="list-style-type: none"> ■ Shifted asbestos awards from the workers' compensation system to the court system. ■ Six manufacturers held jointly & severally liable using theory of strict liability for failure to warn. <ul style="list-style-type: none"> ● Joint & Several Liability — adopted by several states. Premise: insulation workers were exposed to products of many manufacturers. Not possible to determine source of asbestos fibers causing injury, and typically, none of the manufacturers provided warnings regarding the dangers of asbestos. ● Strict Liability — Restatement of Torts, Section 402A — adopted by the American Law Institute in 1965. States: "One who sells any product in a defective condition unreasonably dangerous to the consumer ... is subject to liability for physical harm thereby caused to the ultimate user or consumer." ■ Court said danger of asbestos was recognized in the 1920s, 1930s.
1982	<u>Beshada v. Johns-Manville</u> ■ N.J. Supreme Court 90 N.J. 191, 447 A.2d 539 (1982)	Superstrict Liability — holds asbestos defendants liable due to failure to warn even if the defendant did not know/would not have known of asbestos risk.
1986	<u>Halphen v. Johns-Manville</u> ■ L.A. Supreme Court 484 So. 2d 110 (L.A. 1986) p. 4022 3/28/1986	
1993	<u>Daubert v. Merrell Dow</u> ■ No. 92-102, U.S. Supreme Court	U.S. Supreme Court directed lower federal courts to act as "gatekeepers" to ensure that "new" scientific evidence is relevant and reliable.
1997	<u>Metro North v. Buckley</u> ■ No. 96-320, U.S. Supreme Court	U.S. Supreme Court decided it was inappropriate to render awards for emotional harm and medical monitoring. One of the reasons for the decision was that payments to people who are not ill would facilitate bankruptcy among defendants and would be at the expense of those who have been harmed.

Concerns of Major Parties Involved in Asbestos (Personal Injury) Litigation

There are many groups involved in asbestos litigation. Some of the concerns of these groups are outlined below.

Seriously Injured Claimants This group contains those whose injuries are detectable and indisputable (e.g., mesothelioma, some cancers, serious asbestosis). There is generally agreement that these individuals deserve to be compensated in some form for the injuries they have suffered.

- Due to the short life expectancy of the claimants, this group places high importance on resolving their claims quickly, which often does not take place in the current legal environment.

- Compensation systems with high transaction costs diminish funds available to meet this group's greater needs.
- Those who will develop serious illnesses in future years face another risk - that the companies that made the products that led to their injuries may become bankrupt and therefore will be unable to compensate them.

Nonseriously Injured and Unimpaired Claimants The majority of the claimants in this group are presently unimpaired, although they may have an x-ray that shows some type of thickening or scarring of the lungs.

- One concern of those with a pleural condition is that if they do not proceed with a lawsuit today, a statute of limitations issue may prevent them from being eligible to recover damages for more serious conditions they may develop in the future. This concern has been addressed in some states (e.g., Massachusetts) through an inactive docket/pleural registry.³⁹
- Another concern of this group is that if they do not proceed with a lawsuit now, money may not be available if they develop a serious injury later. For example, awards of punitive damages to today's seriously injured claimants may reduce funds available to pay for the same type of injuries that plaintiffs who currently have less serious injuries may develop in the future.
- Additionally, this group faces future health uncertainty, including the need for ongoing medical monitoring.

Plaintiffs Attorneys The issues for the plaintiffs attorneys generally match those of their clients as described above, and also encompass the desire for compensation and reward for the cost of acquiring and developing these cases.

Judges Two main concerns of this group are trial docket pressures and fairness of results. These concerns have been voiced as far back as the 1980s and relate to the volume of asbestos lawsuits. It is felt by some that trial docket pressures force actions which speed up the trial process and produce potentially less equitable results, such as where the claims of those with significantly different injuries are consolidated and the periods of time in which to conduct discovery are shortened.

Major Asbestos Defendants These are the companies that made asbestos-containing products and have been involved in asbestos litigation since the 1980s. Many of them have filed for Chapter 11 protection.

- For the most part, these defendants have stated that they cannot get a fair trial in state court. This is illustrated in the Babcock & Wilcox and W.R. Grace bankruptcy filings, where the companies are attempting to have their liability determined under federal bankruptcy rules, which require objective medical criteria.
- Another related concern is that the grouping of seriously injured and nonseriously injured claimants may, as a consequence of the "piggyback effect" of juror sympathy, result in awards that are too high for the nonseriously injured.
- This group is concerned that it is paying awards that should be funded (at least in part) by other parties.⁴⁰ For several asbestos diseases, there is a material synergistic effect between exposure to asbestos and smoking. To date, however, asbestos company suits against the tobacco industry have been unsuccessful.⁴¹
- This group is concerned that uninjured plaintiffs are being compensated.

- This group is concerned that the current system for compensating asbestos-related injury victims is expensive.
- This group wants to achieve finality - by being able to put the consequences of past business judgments behind them.

Peripheral Defendants An increasing number of these companies (that had asbestos encapsulated in their products or had asbestos on their premises) have been sued in asbestos litigation. There has been an increase in the profile of these defendants largely due to the bankruptcy of the initial asbestos product manufacturers.

- Some members of this group believe that they should not be held liable for asbestos-related injuries, because asbestos in their product was encapsulated and should not have contributed to the injury.
- This group is concerned that it will take on a share of liability that was previously borne by the bankrupt asbestos manufacturers.
- The peripheral defendants say it is unfair to hold them accountable for the same knowledge of health risks as the major defendants in the same lawsuit. This group is also concerned that the vast majority of cases are being brought to trial in venues they perceive to be favorable to plaintiffs. For example, only 2 percent of the original plaintiffs in the Cosey litigation in Mississippi were from the county in which the lawsuit was filed.⁴²
- This group also contends that courts too often fail to require the use of objective evidence to evaluate whether claimants are injured. This issue was raised as far back as 1991 when plaintiffs attorney Ron Motley commented “[t]here are gross abuses in our system. We have lawyers who have absolutely no ethical concerns for their own clients that they represent, we have untrammelled screenings of marginally exposed people and the dumping of tens of thousands of cases in our court system, which is wrong [and] should be stopped.”⁴³
- Another concern of these defendants is that they are held responsible for the liability that should be borne by non-U.S. companies. It can be difficult for plaintiffs attorneys to bring suits against non-U.S. companies, and such suits could ultimately be resolved in federal court. Due to the potential difficulty in bringing suits and since plaintiffs attorneys typically prefer to try cases in state rather than federal court, some U.S. defendants contend that the effort to pursue foreign defendants will rarely be made.
- Defense expenses relative to plaintiffs’ awards are considerably higher for peripheral defendants. This is due in part to the fact that a peripheral defendant may be easily named in a suit. However, because discovery often takes place very close to trial, the peripheral defendant may find it nearly impossible to obtain dismissal from the case before incurring significant costs. Peripheral defendants often pay to settle lawsuits even when they do not believe they have liability, because the risk of trying a suit when nearly everyone else has settled is extremely high due to the setoff rules that apply in many states.
- Similar to the major defendants, this group wants to achieve finality and be able to put the consequences of past business judgments behind them.

Insurers and Reinsurers The concerns of this group are generally the same as for their policyholders, the major and peripheral defendants, plus:

- This group is concerned with the interpretation of contracts and the possible liabilities that may be imputed to them, which they never intended to insure.

- There is increased concern among this group regarding settlements with claimants who currently have no clearly-identifiable injury, and with policyholders making (small) payments to claimants who may not be able to establish product identification. This concern has been publicly voiced by Equitas, the UK insurer, which on June 1, 2001, began to require more disclosure of this type of information before settling claims.
- This group wants predictability of financial results and finality with respect to quantifying their ultimate liabilities.

Prior Efforts to Solve the Asbestos Problem

Asbestos defendants and their insurers/reinsurers have attempted to create various solutions to the asbestos problem over the years (see Exhibit 2). These efforts include the Wellington Agreement between asbestos producers and their insurers in 1985, the formation of the Center for Claims Resolution (CCR) in 1988, the CCR Futures Deal in 1993 (i.e., the Georgine Settlement), the Fibreboard Settlement in 1993, and the Owens Corning Fiberglas National Settlement Program in 1998. There have been repeated cries for legislative reform, especially after unsuccessful attempts to settle claims on a class action basis (i.e., Georgine and Fibreboard) (see Exhibit 3).

Congress has also been involved in the search for solutions. A federally administered central fund was proposed as early as 1977. However, none of the bills proposed gained adequate support.

More recently, the Fairness in Compensation Act of 1999 (H.R. 1283) was proposed to establish the Asbestos Resolution Corporation. This bill would have used an alternative dispute resolution (ADR) process to reduce lawsuits in the court system. Claimants would have been required to prove medical eligibility for compensation. Awards for pain and suffering, emotional distress, and loss of consortium would have been allowed, but punitive damage awards would have been barred. The bill would have created a pleural registry (inactive docket) for unimpaired claimants. Costs would have been funded by the defendant companies, rather than through tax revenue.

Currently, retroactive tax relief for asbestos manufacturers is being considered (H.R. 1412). This legislation would allow a company to carry back asbestos losses to the taxable years in which the taxpayer was first involved in the production or distribution of asbestos products to reduce income tax payments made in these prior years.

Summary and Conclusions

Exposure to disease-causing asbestos fibers in the United States and the world has been widespread. Though on the decline, such exposure has not ended and may never totally cease. In the United States, this has resulted in a significant number of personal injury claims against defendants over the past 20 years.

Rather than gradually decreasing over time, the pace of these claim filings has been increasing, for multiple reasons. Several attempts have been made to comprehensively address this situation, but all have failed to date. It has been argued that some attempts to address parts of the problem may have even exacerbated it, by expanding the number of involved parties to include claimants with questionable injuries and minimally or nonliable peripheral defendants.

The size and growth of the problem has led to numerous bankruptcies and calls for a comprehensive legislative response, as many believe that the current legal system is ill-suited to handle asbestos personal injury claims. While several legislative proposals have been discussed over the years, enactment of such solutions does not appear imminent.

Historical Legislative Involvement

<u>Date</u>	<u>Effort</u>	<u>Details</u>	<u>Status</u>
1977	Bill sponsored by Rep. M. Fenwick (R-N.J.) — district included location of Johns-Manville.	The bill would compensate asbestos victims through a federally administered central fund.	Reintroduced in 1981; did not pass.
1980	Asbestos Health Hazards Compensation Act ⁴⁴ introduced by Senator Gary Hart (D-Co.).	The bill: <ul style="list-style-type: none"> ■ Barred the victims of asbestos disease from filing suits under the tort system; ■ Left the administration of asbestos-compensation claims with the states; ■ Called for the establishment of federal minimum standards for compensating asbestos workers. 	Reintroduced in 1981; did not pass.
1994	Bankruptcy Reform Bill of 1994	<ul style="list-style-type: none"> ■ Sec. 524g enables debtor in Chapter 11 reorganization to establish a “trust toward which the debtor may channel future asbestos related liability ... to provide explicit legislative guidance to ensure the equitable treatment of mass future asbestos claimants.” ■ Creditors obtain at least 50 percent of the value of the company if it emerges from bankruptcy. ■ Bankruptcy allows: <ul style="list-style-type: none"> ● a stay on claims; ● requirement of medical criteria; ● appointment of a representative for future claimants; ● estimations/provisions for the liquidation of claims. 	Enacted January 25, 1994. The Babcock & Wilcox Chapter 11 Informational Brief stated that “Congress has provided a mechanism for resolution of asbestos mass-tort claims within the bankruptcy system.”
1999-2000	H.R. 1283 - Fairness in Compensation Act of 1999	The bill would : <ul style="list-style-type: none"> ■ establish Asbestos Resolution Corporation; ■ Set up Office of Asbestos Compensation; ■ Create ADR process; ■ Require proof of medical eligibility; ■ Not impose a statute of limitations; ■ Permit full compensatory awards (including pain & suffering, emotional distress, loss of consortium); ■ Bar punitive damages; ■ Receive funding from defendant companies, not through tax revenue. 	Passed out of the Judiciary Committee, but never considered by the full House of Representatives; not reintroduced in 107th Congress.
2001	H.R. 1412 - Retroactive Tax Relief	<ul style="list-style-type: none"> ■ Amends Internal Revenue Code 468B(b) to provide that no tax be imposed on any settlement fund to resolve present and future asbestos claims. ■ Amends Section 172(f) to provide that the portion of any specified loss attributable to asbestos may be carried back to the taxable years in which the taxpayer was first involved in the production/distribution of asbestos products to reduce income tax payments in prior years. 	Introduced and referred to the Ways and Means Committee; has not moved. Proponents: Say the bill would ensure that victims get just compensation and help prevent further bankruptcies. Opponents: Describe the bill as an “industry bailout” and an asbestos “feeding frenzy” for the bar because attorneys will get most of the \$300-\$500 million that it will cost taxpayers over the next 10 years.

Exhibits

1. The Asbestos Tort Claim Process.....11
2. Prior Efforts to Solve the Asbestos Problem12
3. Calls for Legislative Action.....14

Reference Lists

1. Various Epidemiological Studies15
2. Asbestos Defendants Declaring Bankruptcy17

Endnotes.....18

	<u>Typical Tort Claim</u>	<u>Asbestos Tort Claim</u>
Plaintiff	One injured party	Blocks of claims: <ul style="list-style-type: none"> ■ filed by same attorney on same date ■ have common connection (e.g., same labor union, location, or one-time place of employment) ■ involved dissimilar degree of injury/disease suffered
Defendant	One clearly identified party	Multiple defendants and complications including: <ul style="list-style-type: none"> ■ long latency ■ pervasiveness of use throughout various industries ■ many different asbestos products present at some work sites ■ efficiencies of plaintiffs' bar
Event	Single event causing injury with definable time, location	Multiple years (e.g., each exposure to asbestos fiber is an event, plus fibers are in the lungs causing damage) Multiple locations (e.g., every location over multiple years where asbestos was present)
Claim Filing	Short lag between event and filing (a few months to a few years)	Lag up to 40-50 years
Forum	Clear, undisputed location - where event occurred	Broad discretion for plaintiff to file claim in forum of choice
Discovery	Focused	Complicated/expensive <ul style="list-style-type: none"> ■ multiple parties claiming injuries ■ dissimilar injuries ■ multiple exposures — name and organizational changes ■ long time lag — lost records
Claim Resolution	Relatively timely (several months to a few years)	Long process due to: <ul style="list-style-type: none"> ■ multiple plaintiffs with varying levels of exposure and medical conditions ■ multiple defendants with varying levels of exposure and legal strategies ■ "events" over many years at many locations
Who Pays?	The defendant or a single insurance policy	The defendants and multiple insurers/reinsurers on multiple policies due to: <ul style="list-style-type: none"> ■ multiple contract wordings ■ multiple jurisdictions ■ large limits of coverage ■ multiple reinsurers ■ insolvencies

Pages 13-14 comprise the layout of a single exhibit

Prior Efforts to Solve the Asbestos Problem

<u>Effort</u>	<u>Stakeholders</u>	<u>Purpose</u>
Wellington Agreement signed June 19, 1985	<ul style="list-style-type: none"> ■ 34 asbestos producers ■ 16 insurers 	<ul style="list-style-type: none"> ■ Create the Asbestos Claims Facility (ACF) ■ Provide claimants with an efficient and more equitable alternative to the tort system ■ Reduce legal costs for plaintiffs and defendants ■ End disputes over insurance coverage
Center for Claims Resolution (CCR) - Formed October 12, 1988	<ul style="list-style-type: none"> ■ Originally 21 asbestos producers 	<ul style="list-style-type: none"> ■ Successor organization to the ACF ■ Resolve claims for a fair value
CCR Futures Deal - 1993	<ul style="list-style-type: none"> ■ 20 asbestos producers 	<ul style="list-style-type: none"> ■ CCR's proposed settlement to the Georgine class action⁵⁰
Fibreboard ⁵² (1993 class action settlement)	<ul style="list-style-type: none"> ■ A single asbestos defendant 	<ul style="list-style-type: none"> ■ Global settlement of 186,000 pending plus future personal injury claims
Owens Corning Fiberglas (OCF) National Settlement Program (NSP) - December 1998	<ul style="list-style-type: none"> ■ Initially one asbestos defendant, OCF ■ Later applied to Fibreboard after it was acquired by OCF 	<ul style="list-style-type: none"> ■ To resolve OCF (and later Fibreboard) claims

Pages 13-14 comprise the layout of a single exhibit

Exhibit 2

Features/Operation

- Costs shared among the members using a formula based on each producer's previous litigation experience.
- Each member paid percent share, regardless of whether:
 - The producer was named in the suit;
 - The claimant could prove that the injury was caused by that producer's product.⁴⁵
- Claimants required to show an asbestos-related impairment.
- Claims evaluated based on employment, medical and compensation history.
- Claimant could receive a noncash "settlement" if there were no disease (tolled the statute of limitations).
- Claimant could return to the tort system if not satisfied with the ACF's settlement offer.
- The ACF did not pay punitive damages.

Outcome

- The ACF was dissolved October 3, 1998, after withdrawal of the seven largest producer members.
- Resulted largely from disputes among producers over their allocated shares of costs.
- Insurance coverage agreements resolved by the Wellington Agreement remained in place when the ACF was dissolved.

- CCR was more aggressive than the ACF in settling claims.⁴⁶

- After the CCR Futures Deal was overturned, the CCR continued to negotiate and settle claims on behalf of its members. It settled 350,000 claims and paid over \$5 billion from 1988 to 2000.
- On February 1, 2001, the CCR announced it was "changing its method of operation to allow members more flexibility and customized representation in handling their individual asbestos liability."⁴⁷
- As of August 1, 2001 CCR will stop settling new asbestos claims on behalf of its remaining 14 members.⁴⁸
- Currently involved in litigation among its remaining members and their insurers relating to settlements agreed to during 2000.⁴⁹

- Claimant had to provide sworn proof of exposure to an asbestos-containing product of at least one CCR member.
- Claimant had to satisfy certain medical, exposure, and latency criteria.
- Case flow caps (maximum annual claim filings) were specified for the next 10 years.
- Ranges of settlements by disease category were set for the next 10 years, and the increase in average claim amounts for the second 10-year period was limited to 20 percent above the initial levels.

- Class decertified⁵¹ because the disparity among the claimants' illnesses was found to be greater than their commonality.
- The Supreme Court observed that "the argument is sensibly made that a nationwide administrative claims processing regime would provide the most secure, fair, and efficient means of compensating victims of asbestos exposure. Congress, however, has not adopted such a solution."
- The reversal resulted in a flood of new claims against CCR member companies.

- Class did not allow opt-outs due to its limited fund rationale.
- There was also a "Trilateral Agreement" back-up plan for \$2 billion funded by two of Fibreboard's insurers — Continental Casualty and Pacific Indemnity — in case the global settlement was not approved.

- Settlement rejected by the U.S. Supreme Court in 1999 because:
 - It excluded some potential plaintiffs;
 - There were questions about the fairness of the distribution⁵³;
 - There were conflicting interests within the class;
 - The Supreme Court held that more consideration should have been given to Fibreboard's financial condition.⁵⁴

- Initially resolved 90 percent of OCF's pending claims.
- Established fixed payments for future claims without litigation.
- Private agreement between OCF and plaintiff's counsel did not require court approval.

- Originally the NSP was well accepted.
- OCF underestimated the size of its liability⁵⁵ and the NSP accelerated the timing of payments.
- OCF filed for bankruptcy protection on October 5, 2000.

Calls for Legislative Action

Exhibit 3

<u>Date</u>	<u>Source</u>	<u>Comment</u>
1990	U.S. Supreme Court Panel (led by Chief Justice Rehnquist)	1991 report said "situation has reached critical dimensions and is getting worse;" and the courts were "ill-equipped to address the mass of claims in an effective manner." ⁵⁶
1996	<u>State v. MacQueen</u> 479 S.E. 2d, 300, 304 (W. Va. 1996)	"Congress, by not creating any legislative solution to these problems, has effectively forced the courts to adopt diverse, innovative, and often nontraditional judicial management techniques to reduce the burden of asbestos litigation that seems to be paralyzing the active dockets." ⁵⁷
1997	<u>Amchem v. Windsor</u> U.S. Supreme Court No. 96-270, June 25, 1997	The Court observed that "the argument is sensibly made that a nationwide administrative claims processing regime would provide the most secure, fair, and efficient means of compensating victims of asbestos exposure. Congress, however, has not adopted such a solution." ⁵⁸
1999	<u>Ortiz v. Fibreboard</u> U.S. Supreme Court No. 97-1704, June 23, 1999	Supreme Court again calls on Congress, says existing asbestos litigation is an "elephantine mass ... that calls for national legislation."
1999	The Fairness in Compensation Act of 1999: Legislative Hearing on H.R. 1283	"The victims of [the asbestos litigation] crisis are most injured plaintiffs, especially future plaintiffs, who don't get as much as they should; defendants who are bankrupted way out of proportion to harm they caused; jurors and judges whose judgment is skewed by natural human reactions to the cases before them; and society itself, which is paying grotesque sums of money to lawyers and uninjured persons, when that money should be going to the most-injured and to medical research." ⁵⁹

Various Epidemiological Studies		Reference List 1
<u>Year</u>	<u>Source</u>	<u>Study</u>
1980	Higginson	Proportion of Cancers Due to Occupation, Preventive Medicine
1980	Hogan & Hoel	Estimating Cancer Risk Associated with Occupational Asbestos Exposure Risk Analysis
1981	Enterline	Proportion of Cancer Due to Exposure to Asbestos, Banbury Report 9: Quantification of Occupational Cancer
1981	McDonald	Mesothelioma as an Index of Asbestos Impact, Banbury Report 9: Quantification of Occupational Cancer
1981	Peto, Henderson, Pike	Trends in Mesothelioma Incidence in the U.S. and the Forensic Epidemic Due to Asbestos Exposure During World War II, Banbury Report 9: Quantification of Occupational Cancer
1982	Irving Selikoff (Mt. Sinai School of Medicine)	Disability Compensation for Asbestos-Associated Disease in the United States.
1982	William Nicholson, George Perkel, Irving Selikoff	Occupational Exposure to Asbestos: Population at Risk and Projected Mortality — 1980-2030
January 1982	Paul MacAvoy (Yale)	The Economic Consequences of Asbestos-Related Disease
August 2, 1982	Alexander Walker (Statistics and Epidemiology Research Corporation)	Projections of Asbestos-Related Disease 1980-2009
September 1982	Conning & Company	The Potential Impact of Asbestos on the Insurance Industry
July 1983	Kakalik, Ebener, Felstiner, Shanley (RAND — The Institute for Civil Justice)	Costs of Asbestos Litigation
September 15, 1983	Kenneth Manton (Congressional Research Service The Library of Congress)	An Evaluation of Strategies for Forecasting the Implications of Occupational Exposure to Asbestos
June 1986	William Nicholson	Airborne Asbestos Health Assessment Update
1988	British Journal of Industrial Medicine	Projection of Asbestos Related Diseases in the United States, 1985-2009
January 20, 1992	Shearson Lehman Brothers	Charting the Asbestos Minefield: An Investor's Guide

Various Epidemiological Studies		Reference List 1 (cont.)
<u>Year</u>	<u>Source</u>	<u>Study</u>
July 1992	Federick Dunbar, National Economic Research Associates, Inc. (NERA)	Forecast of Asbestos-Related Personal Injury Claims Against National Gypsum Company: Final Report
July 15, 1992	Mark Peterson (Legal Analysis Systems, Inc.)	Findings Re: Liability of National Gypsum for Pending and Future Asbestos Personal Injury Claims
June 1993	Dunbar & Martin (nee Neuman) (NERA)	Estimating Future Asbestos Claims: Lessons from the National Gypsum Litigation
August 13, 1993 DRAFT	Stallard & Manton (Duke University)	Estimates and Projections of Asbestos Related Diseases and Exposures Among Manville Personal Injury Settlement Trust Claimants, 1990-2049
September 23, 1993	Dan Rourke, The Resource Planning Corporation (RPC)	The Manville Personal Injury Settlement Trust Claims Forecast Model
After 1994	William Blot (International Epidemiology Institute, Ltd.)	Trends in Asbestos-Related Diseases
March 8, 1994 DRAFT	Stallard & Manton (Duke University)	Projections of Asbestos Related Personal Injury Claims Against the Manville Personal Injury Settlement Trust, Males 1990-2049, by Occupation, Date of First Exposure, and Type of Claim
March 4, 1995	The Lancet, Vol. 345, No. 8949	Continuing increase in mesothelioma mortality in Britain
1996	The Cologne Re	Asbestos-Related Claims in the USA and Impact on the Reinsurance Industry
1997	Bertram Price	Analysis of Current Trends in United States Mesothelioma Incidence
2001	Mealey's Asbestos Bankruptcy Conference 2001/David T. Austern	The Manville Trust Experience
August 2001	RAND Documented Briefing (DB-362.0-ICJ)	Asbestos Litigation in the U.S.: A New Look at an Old Issue

Asbestos Defendants Declaring Bankruptcy¹

Reference List 2

<u>Company</u>	<u>Year of Bankruptcy</u>	<u>Company</u>	<u>Year of Bankruptcy</u>
1. Amatex Corporation	1982	27. Lykes Brothers Steamship	1995
2. American Shipbuilding	1993	28. M.H. Detrick	1998
3. Armstrong World Industries ²	2000	29. National Gypsum	1990
4. Atlas Corporation	1998	30. Nicolet	1987
5. Babcock & Wilcox	2000	31. North American Asbestos Corporation	1976
6. Baldwin Ehret Hill	1993	32. Owens Corning Fiberglas	2000
7. Brunswick Fabrications	1998	33. Pacor	1986
8. Burns & Roe Enterprises	2000	34. Pittsburgh Corning	2000
9. Cassiar Mines	1992	35. Powhatan Mining Company	
10. Celotex ³	1990	36. Prudential Lines	1986
11. Continental Producers Corporation		37. Raytech Corporation ⁶	1989
12. Delaware Insulations	1989	38. Rock Wool Manufacturing	1996
13. E.J. Bartells	2000	39. Rutland Fire & Clay	1999
14. Eagle Picher Industries	1991	40. SGL Carbon	1998
15. Eastco Industrial Safety Corporation	2001	41. Skinner Engine Company	2001
16. Federal Mogul	2001	42. Standard Asbestos Manuf. & Insulation	1990
17. Forty-Eight Insulations	1985	43. Standard Insulations Inc.	1986
18. Fuller-Austin Insulation	1998	44. Todd Shipyards	1987
19. G-I Holdings	2001	45. United States Lines ⁷	1986
20. Gatke Corp.	1987	46. UNR Industries ⁸	1982
21. Hillsborough Holdings	1989	47. U.S. Gypsum	2001
22. H.K. Porter Co. ⁴	1991	48. U.S. Mineral	2001
23. Johns-Manville	1982	49. Wallace & Gale	1984
24. Joy Technologies ⁵	1999	50. Washington Group International	2001
25. Keene Corp.	1993	51. Waterman Steamship Corp.	1983
26. Kentile Floors	1992	52. W.R. Grace	2001

¹ Most (but potentially not all) of these asbestos defendants filed bankruptcy as a result of asbestos. We have attempted to include each corporation once (rather than counting multiple subsidiaries).

² Including subsidiaries Desseaux Corporation and Nitram Liquidators, Inc.

³ Including Carey Canada, Panacon, Philip Carey Company, and Smith & Kanzler.

⁴ Including Southern Asbestos Company and Southern Textile.

⁵ Including Harnischfeger and Ecolaire.

⁶ Including Raymark Industries and Raymark Corp.

⁷ Including McLean Industries and First Colony Farms.

⁸ Including Union Asbestos & Rubber (Unarco).

Endnotes

¹ The U.S. Supreme Court referred to asbestos litigation as an “elephantine mass” in *Ortiz v. Fibreboard*, 97 U.S. 1704 (1999).

² The insurance rating agency A.M. Best referred to asbestos claims as a “tidal surge” in *Asbestos Claims Surge Set to Dampen Earnings for Commercial Insurers*. Special Report (7 May 2001), 3.

³ Fourteen companies filed bankruptcy during 2000 – 2001 as a result of asbestos litigation, including Armstrong World Industries, Babcock & Wilcox, Burns & Roe Enterprises, E.J. Bartells, Eastco Industrial Safety Corp., Federal Mogul, G-I Holdings (GAF), Owens Corning Fiberglas, Pittsburgh Corning, Skinner Engine Co., U.S. Gypsum, U.S. Mineral, Washington Group International, and W.R. Grace.

⁴ “Asbestos: A Tiny But Lethal Fiber,” at <http://www.pilotonline.com/special/asbestos/primer.html> (6 May 2001). Also referred to as the “magic mineral” in the *British Journal of Industrial Medicine* 47 (1990), 361.

⁵ The six varieties are actinolite, amosite, anthophyllite, crocidolite, tremolite, and chrysotile. According to the July 1977 *Scientific American*, chrysotile once accounted for more than 95 percent of asbestos use worldwide. It has a serpentine structure and is noticeably softer and more flexible than the other types.

⁶ “Eliminating Asbestos From Fireproofing Materials,” *Chemical Innovation* 30, no. 6 (June 2000), 21-29.

⁷ Austern, David, “The Manville Trust Experience,” in *Mealey’s Asbestos Bankruptcy Conference 2001*, (2001), 118.

⁸ Shearson Lehman Brothers, Inc. *Industry Report* (20 January 1992), 6.

⁹ Alleman, James E. and Brooke T. Mossman, “Asbestos Revisited,” *Scientific American* (July 1997), 74.

¹⁰ Only new product uses, commercial paper, corrugated paper, specialty paper, rollboard, and flooring felt containing asbestos remained banned after the 1991 remand.

¹¹ “Asbestos,” at <http://www.epa.gov/ttn/uatw/hlthef/asbestos.html> (24 July 2001).

¹² California ambient asbestos white paper at <http://www.arb.ca.gov/toxics/asbestos.htm>.

¹³ Description of the pulmonary function and exposure to asbestos that gives rise to disease: Inhaled air progresses from nose, sinus, pharynx, trachea to the bronchi of air passages within the lungs. Lungs are covered with a thin membrane called pleura. The upper diaphragm (muscle which causes air to be inhaled/exhaled) also has a pleura. Lungs are composed of 200-300 million air sacs, called alveoli, at the ends of bronchi. The gas exchange of oxygen for carbon dioxide happens here. Generally, the body’s natural barriers naturally expel most dusts, including asbestos, for years before they become overwhelmed and a clinical problem develops.

¹⁴ Actual latency periods for individuals may be shorter or longer.

¹⁵ Signature disease of asbestos exposure.

¹⁶ The pleural space is the space between the inner and outer lining of the lung. It is normally very thin and lined only with a very small amount of fluid.

¹⁷ Bronchi are one of two primary divisions of the trachea that lead into the right or left lung.

¹⁸ “It is now universally agreed that exposure to asbestos fibers can, in certain circumstances, lead to three diseases: asbestosis, lung cancer and mesothelioma of the lining of the lung (pleura) or stomach (peritoneum). It can also cause a group of benign conditions of the pleura. Controversy remains over whether it may cause a group of other cancers, including cancers of the larynx, gastrointestinal tract and kidney,” write Frederick C. Dunbar, Denise Neumann Martin, and Phoebus J. Dhrymes in *Estimating Future Claims, Case Studies from Mass Tort and Product Liability*. (Andrews Professional Books, 1996).

¹⁹ “FAQs, Asbestos Division,” at <http://www.okdol.state.ok.us/asbestos/asbestos%20FAQ.htm>.

²⁰ *Ibid.*

²¹ Austern, David, “The Manville Trust Experience,” in *Mealey’s Asbestos Bankruptcy Conference 2001*, (2001), 114.

²² Babcock & Wilcox Co, *Informational Brief* (2000). See also Christopher Edley Jr., “Statement Concerning H.R. 1283, The Fairness in Asbestos Compensation Act,” prepared for the House Committee on the Judiciary, 106th Cong., 2d sess., 1999, 15.

²³ “Asbestos Companies Report Annual Numbers of Pending Claims, New Filings in 2000,” *Mealey’s Litigation Report: Asbestos* (18 May 2000), 19-24.

²⁴ Plaintiff attorney activities include the creation of asbestos litigation specialty firms, union hall x-ray screenings, and Sunday sports page and Internet advertisements. See Richard B. Schmitt, “How Plaintiffs’ Lawyers Have Turned Asbestos Into a Court Perennial,” *Wall Street Journal* (5 March 2001).

²⁵ For more information regarding the proposed settlement to the Georgine class action (i.e., the Center for Claims Resolution (CCR) Futures Deal), see Exhibit 2.

²⁶ “Recently for example, asbestos cases reportedly have “migrat[ed] en masse” to certain counties in Mississippi because of favorable long-arm jurisdictional rules and because “[j]uries in those counties rarely, if ever, rule against plaintiffs in product liability cases, and defendants do not have the right to perform medical exams on any claims.” Stephen Labaton, “Top Asbestos Makers Agree to Settle 2 Large Lawsuits,” *New York Times* (23 January 2000).

²⁷ Estimate of 2,000 meso cases per year: *Mealey’s Asbestos Conference* (1999), Manville table on claims received by year, 47. Bertram Price, “Analysis of Current Trends in United States Mesothelioma Incidence,” *American Journal of Epidemiology* 19, no. 3 (1997), 216 (figure 4). Mesothelioma Applied Research Foundation, Legacy <http://www.marf.org>.

²⁸ The American Thoracic Society has set a minimum x-ray reading for classifying an individual as “impaired.” See Victor E. Schwartz and Leah Lorber, “A Letter to the National’s Trial Judges: How the Focus on Efficiency is Hurting You and Innocent Victims in Asbestos Liability Cases,” *American Journal of Trial Advocacy* 24, no. 2 (2001), 27. However, there is no broad medical agreement on the definition of pleural plaques.

²⁹ “Asbestos Continues to Bite Industry,” *Business Insurance* (8 January 2001); “Finance and Economics: A Trail of Toxic Torts,” *Economist* (27 January 2001). However, a variety of other estimates indicate the number could be much higher than 2,000, perhaps as high as 5,000.

³⁰ “Still Killing,” *Economist* (19 August 2000); *Wall Street Journal* (5 March 2001).

³¹ Joint liability imposed on joint tortfeasors that allows enforcement of the entire judgment against any one of the tortfeasors. In some jurisdictions, joint and several liability remains despite adoption of comparative fault, and in others it has been eliminated by comparative fault.

³² “Companies want to pay what they paid 15 or 20 years ago, and don’t want to take into consideration that there might be fewer companies to pay, which means higher shares of liability.” Fred Baron, of the Dallas law firm Baron & Budd, as quoted in “Asbestos Suits Target Makers of Wine, Cars, Soups, Soaps,” *Wall Street Journal* (12 April 2001).

³³ “[O]f every dollar paid by defendants, over sixty cents goes to the lawyers. Adding the overhead costs of both the judicial and the insurance systems, asbestos litigation consumes two dollars of society’s resources in order to deliver a single dollar to people who were exposed.” Christopher Edley Jr., “Statement Concerning H.R. 1283, The Fairness in Asbestos Compensation Act,” prepared for the House Committee on the Judiciary, 106th Cong., 2d sess., 1999, 5.

³⁴ Richard B. Schmitt, “How Plaintiffs’ Lawyers Have Turned Asbestos Into a Court Perennial,” *Wall Street Journal* (5 March 2001).

³⁵ Estimates of total ultimate cost from Tillinghast–Towers Perrin and Milliman USA studies.

³⁶ Estimates of net amount insured by U.S. property/casualty insurers and reinsurers from Tillinghast–Towers Perrin and Milliman USA studies.

³⁷ A reinsurer provides insurance to direct insurance companies by contracting to accept the transfer, in

whole or in part, of a risk or contingent liability covered under an existing insurance contract.

³⁸ *Asbestos Claims Surge Set to Dampen Earnings for Commercial Insurers*, A.M. Best Special Report (7 May 2001), 1.

³⁹ “Some courts have adopted mechanisms for separating out claims by individuals who are not sick. For example, in Massachusetts, the judges have an inactive docket which provides a way for plaintiffs with asbestos-related pleural diseases to toll the statute of limitations until such time that they develop asbestosis or some type of malignancy. Cases on the inactive docket are exempt from discovery and can only be removed to the active docket by the filing of a subsequent complaint. A similar inactive docket approach is used by some courts in Maryland.” Victor E. Schwartz and Leah Lorber, “A Letter to the National’s Trial Judges: How the Focus on Efficiency is Hurting You and Innocent Victims in Asbestos Liability Cases,” *American Journal of Trial Advocacy* 24, no. 2 (2001). See also Mark A. Behrens and Monica G. Parham, “Stewardship for the Sick: Preserving Assets for Asbestos Victims through Inactive Docket Programs,” *American Journal of Trial Advocacy* 24, no. 2 (2001), 17.

⁴⁰ E.g., the tobacco industry and makers of polio vaccines. SV40 (Simian Virus 40) has been found in the cells of certain rare cancers, including mesothelioma. It has been alleged that contamination of early batches of the Salk vaccine and test batches of the Saben vaccine (polio vaccines) cause mesothelioma. However, these findings have not met the Daubert standard for admissibility in court.

⁴¹ The Manville Trust sued the tobacco industry in *Falise*, which ended in a mistrial in January 2001. The suit was later dropped. Additionally, 22 asbestos injury plaintiffs and Owens Corning filed suit against several tobacco companies in 1998, alleging a conspiracy to hide the health risks associated with cigarette smoking and asbestos exposure. The Jefferson County Circuit Court dismissed the suit in May 2001, ruling that Mississippi’s law prohibits recovery for an indirect injury. “Updates,” *Business Insurance* (28 May 2001).

⁴² Henry J. Hyde, “Statement of House Judiciary Committee Chairman Henry J. Hyde, Committee on the Judiciary, Hearing on H.R. 1283, Fairness in Asbestos Compensation Act of 1999,” prepared for the House Committee on the Judiciary, 106th Cong., 2d sess., 1999; at <http://www.productslaw.com/hr1283.html>.

⁴³ Ronald L. Motley and Susan Nial, “Critical Analysis of the Brickman Administrative Proposal: Who Declared War on Asbestos Victims’ Rights?” in *Proceedings of the Administrative Conference of the United States, October 31, 1991 Colloquy: An Administrative Alternative to Tort Litigation to Resolve Asbestos Claims*.

⁴⁴ Paul Brodeur, *Outrageous Misconduct: The Asbestos Industry on Trial* (Pantheon, 1985), 195.

⁴⁵ “Thus the traditional requirement of product identification and proximate cause was eliminated for the desired common good of reducing litigation expenses, which threatened to exceed the total indemnity paid.” *Best’s Review* (12 May 1993).

⁴⁶ As of October 1992 (after four years of operation), the CCR had resolved 115,000 claims and had 55,000 claims pending.

⁴⁷ “Today the one-time emissary has been knocked down to clerical assistant, existing, for the most part, to process claims.” *Wall Street Journal* (7 February 2001.)

⁴⁸ “Updates,” *Business Insurance* (25 June 2001).

⁴⁹ A Washington state court judge ordered the CCR to pay the full amount of damages agreed to by 17 members during nine different settlement agreements finalized in 2000 prior to the withdrawal of National Gypsum and the bankruptcy of Armstrong World Industries. Remaining CCR members have sued their insurers for failing to pay toward the liabilities of former CCR members, which have subsequently been allocated and billed to the remaining members and then allocated to each insurer.

⁵⁰ Also known as *Amchem v. Windsor*; conditional class certification was granted by U.S. District Judge Weiner on February 15, 1993.

⁵¹ The 3rd Circuit U.S. Court of Appeals decertified the class on May 10, 1996, and on June 27, 1996, the

manufacturers' petition for a rehearing was denied. The Supreme Court upheld the lower court's decision (6-2) on June 27, 1997, with Justice Ginsburg stating that the "sprawling class" did not meet the requirements of Rule 23. *Amchem Products, Inc. et al. v. Windsor et al.*, 96 Sup. Ct. 270 (1997).

⁵² *Ortiz v. Fibreboard*, also known as Ahearn.

⁵³ Forty-five thousand pending claims represented by the counsel achieving the class action settlement were settled in a separate agreement for a higher average amount.

⁵⁴ Fibreboard was allowed to keep virtually all of its net worth, paying only \$500,000, and potential insurance funds were greater than \$2 billion.

⁵⁵ OCF underestimated the frequency and severity of claims in the National Settlement Program (NSP) as well as the number of opt-outs. "Credit Suisse First Boston," Quarterly Report 28 November 2000, 10.

⁵⁶ The six member Rehnquist committee issued its 43-page report, *Report of the Judicial Conference Ad Hoc Committee on Asbestos Litigation 2*, at the annual meeting of the Judicial Conference of the United States on March 12, 1991. See *The National Law Journal*. Also see the District of Delaware U.S. Bankruptcy Court. *W.R. Grace Informational Brief* (2001), 15 (footnote 27).

⁵⁷ 479 S.E. 2d 300, 304 (W.Va. 1996)

⁵⁸ *Amchem Products, Inc. et al. v. Windsor et al.*, 96 Sup. Ct. 270 (1997).

⁵⁹ Statement by William N. Eskridge, Jr., as quoted in Babcock & Wilcox Company, *Informational Brief*, (22 February 2000), 37.