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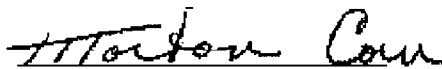
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Re: Eunice Taylor, Johnny Taylor

vs.

Georgia Pacific Corporation, et al.
In the State Court of Fulton County
State of Georgia
Civil Action No. 2007-EV-001878D

October 31, 2007


Morton Corn, Ph.D., CSP

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Appendix A Curriculum Vitae

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I. Background

I have been asked by Counsel for Georgia-Pacific LLC to address a) the development of the state of knowledge of asbestos health effects and the control of asbestos dust, and associated Federal asbestos safety standards b) Georgia-Pacific's response to this developing body of knowledge in its production of joint compound products from 1965-77, including compliance with Federal regulatory requirements, efforts to find an asbestos substitute, and issuance of appropriate user precautions.

II. Qualifications

I am a Professor Emeritus of Environmental Health Engineering in the Bloomberg School of Public Health of the Johns Hopkins University and President, Morton Corn and Associates, Inc., a consulting firm that works out of my home in Queenstown, Maryland. Environmental health engineering is a discipline concerned with the evaluation of air, water, soil and materials in our environment and the interventions to improve them if they are found to be unhealthy or to pose a human health risk. I received a Bachelor's degree in Chemical Engineering from Cooper Union School of Engineering in 1955, a Master of Science degree in Industrial Hygiene and Sanitary Engineering from Harvard University in 1956, and a Doctor of Philosophy degree in Industrial Hygiene and Sanitary Engineering from Harvard University in 1961. The subject of my doctoral dissertation was the adhesion and re-entrainment of particles from surfaces. This contribution to basic science is relied on today by engineers and scientists who are dealing with indoor air quality concerns.

From October 1975 until January 1977, I served as Assistant Secretary of Labor for Occupational Safety and Health. I have provided consultation services to many private and governmental organizations, including the United States Atomic Energy Commission, the United States Public Health Service, the United States Bureau of Mines, the World Health Organization, the United States Department of Energy, the United States General Services Administration, the United States Environmental Protection Agency, the National Institute of Environmental Health Sciences, Harvard University School of Public Health, the American Petroleum Institute, Pennsylvania State University, and the Brookings Institution. As a consultant to the United States Environmental Protection Agency (EPA), I served on its Science Advisory Board (SAB) from 1977 to 1984. The SAB reviewed the Agency's Health Assessment document for asbestos.

Included in the awards I have received is the Cummings Award, which is given once a year by the American Industrial Hygiene Association for outstanding contributions in the field of industrial hygiene. My Cummings Award Lecture was on Asbestos and Public Health. (Corn, M., "Asbestos and Disease: An Industrial Hygienist's Perspective," Am. Ind. Hyg. Assoc. J., 47(9), 515-23 (1986)). I have published more than one hundred peer-reviewed articles, fifteen or more chapters in books, and edited three books. In 1994, I received the Smyth Award of the American Academy of Industrial Hygiene, an annual award for outstanding contributions to industrial hygiene. In 2000 I was elected a Director on the Board of the American Industrial Hygiene Association and served for three years. In June, 2001 I received the Meritorious Achievement Award of the American Conference of Governmental Industrial Hygienists. It is presented once a year for "outstanding, long-term contribution to the field of occupational health and industrial hygiene."

I have measured asbestos-in-air in glass, steel, and insulation manufacturing facilities during the 1950's, 1960's, 1970's, and have designed ventilation systems to capture potentially toxic dusts and gases from processing operations. I taught graduate courses at Johns Hopkins University and the University of Pittsburgh in the subject areas of industrial hygiene, air pollution, industrial ventilation, aerosol technology and risk assessment.

I have conducted extensive research on airborne asbestos concentrations in buildings as it relates to occupants and to workers who work with or near asbestos-containing materials and have published many of these studies. (See e.g., Mlynarek, S., Corn, M., and Blake, C., "Asbestos Exposure of Building Maintenance Personnel," Reg. Tox. & Pharm. 23(3) 213-224 (1996); Corn, M., et al., "Asbestos Exposures of Building Maintenance Personnel," Appl. Occup. Env. Hyg. 9(11), 845-852 (1994); Corn, M., "Airborne Concentrations of Asbestos in Non-Occupational Environments," Ann. Of Occup. Hyg. 38(4), 495-502 (1994); M. Corn, et al., "Exposure to Airborne Asbestos in Buildings," Reg. Tox. & Pharm. 16, 93-107 (1992); M. Corn, et al., "Airborne Concentrations of Asbestos in 71 School Buildings," Reg. Tox. & Pharm. 13, 99-114 (1991); Corn, M., et al., "Asbestos: Scientific Developments and Implications for Public Policy," Science 247, 294-301 (1990); Esmen, N.A. and Corn, M.; "Airborne Fiber Concentrations During Splitting Open and Boxing Bags of Asbestos," Tox. and Ind. Hlth. 14(6), 843-856 (1998). I have participated in numerous United States and international scientific, industrial hygiene, and public health conferences. For example, I participated in the Workshop on the Biological Effects of Fibers organized by the International Agency for Research on Cancer held in Lyon, France in June 1977, was an invited speaker and session chairman at the International Conference on Biological Effects of Man-made Mineral Fibers held in Copenhagen, Denmark in 1982, and have been invited by the federal government to comment on regulatory rule-makings concerning asbestos.

My Curriculum Vitae is attached as Exhibit A. My fee for professional consulting services, including expert consultation and testimony in litigation, is \$4000 per day or \$500 per hour. I have been accepted as an expert in various federal and state courts to

testify in asbestos property damage cases and in other litigation. A list of materials I used in developing this report is included as Appendix B.

III. Discussion/Opinions

A. Historical Perspective*

In 1955-56 I studied at Harvard University for the Master of Science degree in Industrial Hygiene and Sanitary Engineering. The subject of asbestos as a potentially harmful airborne dust in the occupational environment was taught by Professors Phillip Drinker and Charles Williams, two eminent industrial hygienists. We were instructed on the properties of asbestos dust as they related to its health effects, how to sample and evaluate asbestos concentrations in air, and how to control the dust. The textbook was Industrial Dust by P. Drinker and T.F. Hatch, McGraw-Hill Book Company New York, 1954. In brief, we were informed that:

- Inhaled asbestos dust was potentially cytotoxic if inhaled by workers at high concentrations over long periods of time-years. It could cause diffuse fibrosis of the lung. It was a pneumoconiotic dust.
- Those workers at highest risk were in milling and mining operations for the ore, and in manufacturing operations for products that utilized the asbestos fiber. The health effects of asbestos and the types of workers at risk were first addressed in a seminal report from The United Kingdom in 1930. (Merewether, E.R.A. and Price, C.W. Report on effects of asbestos dust and dust suppression in the asbestos industry. London: His Majesty's Stationary Office, (1930). An epidemiological study in the United States confirmed these findings in U.S. workers. (Lanza, A.J. McConnell, W.J. and Fehnel, J.W.: Effects of the inhalation of asbestos dust on the lungs of asbestos workers. Public Health Report 50, 1-12. 1935)
- In 1938 the United States Public Health Service performed an epidemiological study in two U.S. textile mills. (Dreessen, S.C., Dallavalle, J.M., Edwards, T.I., Miller, J.W. and Sayers, R.R.: A Study of Asbestosis In The Asbestos Textile Industry. Public Health Bulletin No. 241. Washington, D.C. United States Public Health Service) This study, referred to as the Dreessen report, had a profound influence on the concentration of permissible airborne asbestos dust in the workplace, both in the U.S. and abroad. The report concluded that if the airborne concentration of asbestos dust in workplace air could be maintained below 5 Million Particles Per Cubic Foot of Air (MPPCF) there would be little or no lung

disease in the exposed worker population. At Harvard we were instructed on the appropriate methodologies to sample and analyze airborne dust to determine if the asbestos concentration was 5 mppcf or less. We also learned control methods to reduce the concentration to 5 mppcf. It was believed that this was a safe level to avoid asbestosis.

*Some of the views expressed here can be found in: Corn M.: Asbestos and disease: an industrial hygienist's perspective. *Amer. Ind. Hyg. Assoc. J.* 47(9) 515-523 (1986)

- A device called the midget impinger was used to sample asbestos in workplace air. The methodology specified counting both particles and fibers greater than a specified size. At a later date scientific research indicated that the fibers were the disease agent. Subsequently, measurement methodology changed and airborne dust concentrations were expressed as fibers greater than a specified length per cubic centimeter of air (f/cc).
- The Dreessen Report recommendation of 5 mppcf permissible dustiness was utilized by the U.S. Navy and Maritime Commission as a guideline during World War II. It was also adopted by the American Conference of Governmental Industrial Hygienists (ACGIH) as a Maximum Allowable Concentration (MAC) in 1947 and later as a Threshold Limit Value (TLV) in 1951. Many states, adopted the TLV as a workplace standard. In terms of the later measurement technique which assessed only fibers (after 1971 in the United States), 5 mppcf is equivalent to approximately 30 f/cc asbestos dust. This high level of dustiness was associated with workers in mining, milling and manufacturing operations.

My experience with asbestos continued after I left Harvard, resulting in the following understandings:

- There was not concern during the 1950's and 1960's for workers utilizing asbestos products or intruding upon asbestos products in-place. Concern for those workers arose only after public and medical community consensus developed accepting inhaled asbestos as a human carcinogen. This occurred in 1964 as a result of a seminal international conference on asbestos held at the New York Academy of Sciences in 1964. (*Annals of the New York Academy of Sciences, Biological Effects of Asbestos Vol. 32, 1965*). Scientific findings presented at this meeting also suggested that the 5 mppcf guideline/standard was not sufficiently protective and that insulators, workers who used asbestos products, were at high risk of asbestos disease.
- U.S. asbestos usage increased until the mid nineteen seventies. At peak consumption approximately 800,000 to 1,000,000 tons per year were used in over 4,000 commercial products; approximately 97 % of this was chrysotile and 1 % was crocidolite. In the industrial hygiene community, assessment of exposures of product users, with the exception of insulators, did not commence until the mid nineteen seventies. The vast majority of product users were exposed at

concentrations below the TLV of 5 mppcf (30 f/cc) Time Weighted Average (TWA) permissible exposure for 8 hours per day, 40 hours per week, 50 weeks per year for 45 years of exposure.

- The Occupational Safety and Health Administration (OSHA), the regulatory agency created by the Occupational Safety and Health Act of 1970, commenced work in early 1971 and promulgated a 12 f/cc TWA Permissible Exposure Limit (PEL) for asbestos-in-air. The PEL was to protect against asbestosis and to reduce the risk of cancer. It was applicable to exposure for 8 hours per day, 40 hours per week, 50 weeks per year for 45 years. In 1972 OSHA reduced the PEL to 5 f/cc and designed the standard so that a 2 f/cc PEL would automatically take effect in 1976. It is important to understand that in the period 1971-1976 the first priority of OSHA and the occupational health community re: asbestos was to reduce the exposures of those highly exposed workers in mining, milling and manufacturing (and insulators) who had been of the understanding that they were protected by the 5 mppcf guideline/standard. After 1976, when the PEL dropped to 2 f/cc, the focus changed to include workers exposed at concentrations at or below 2 f/cc. Exposure assessments of workers exposed at lower concentrations began to appear in the literature, for examples, the first brake exposure assessment article appeared in 1976 (Rohl A.N., Langer, A.M., Wolff, M.S. and Weisman, I.: Asbestos exposure during brake lining maintenance and repair. Envir. Res. 12, 110-128. 1976); Drywall construction workers in 1979 (Fischbein, A. et al.: Drywall construction and asbestos exposure. Am. Ind. Hyg. Assoc. J. 40, 402-407. 1979); Carpenters, electricians, sheet-metal workers and painters in 1983 (Paik, N.W. et al: Worker exposure to asbestos during removal of sprayed material and renovation activity in buildings containing sprayed material. Am. Ind. Hyg. Assoc. J. 44(6), 428-432. 1983); Millwright and maintenance worker exposure in 1992 (McKinnery, W.N. and Moore, R.W.: Evaluation of airborne asbestos fiber levels during removal and installation of valve gaskets and packing. Am. Ind. Hyg. Assoc. J. 53(8), 531-532. (1992).

The first report of asbestos worker take-home asbestos leading to family member exposure and subsequent adverse health effects (mesothelioma) was by Newhouse and Thompson (Newhouse, M.L. and Thompson, H.: Mesothelioma of pleura and peritoneum following exposure to asbestos in the London area. Brit. J. Ind. Med. 22, 261-269. 1965), who presented at the 1964 New York Academy of Sciences meeting. This case control study included family and workers at a London textile mill that utilized crocidolite asbestos. The authors could not find any occupational exposure for nine of 76 mesothelioma cases (7 female, 2 male). They concluded that the female exposures were from laundering heavily contaminated clothing; the male exposures were concluded to be from childhood and from family members who worked in the factory. A transmission mechanism was not clear. It was not until the mid-1970's that consensus was reached on the occurrence of disease in family members from exposure to take-home asbestos. However, none of these studies offered insight into the airborne asbestos concentrations to which family members were exposed or the duration of

exposure. (See Report to Congress on Worker's Home Contamination Study-conducted under the Worker's Family Protection Act (29 U.S.C. 671a) U.S. Department of HHS, PHS, CDC, NIOSH. Sept.1995). My understanding is that workers in the Newhouse and Thompson study brought home very heavily contaminated clothing, clothing coated with crocidolite asbestos fiber. Airborne levels of asbestos in the Turner and Newill factory in which the study was conducted are thought to have been in excess of 30 mppcf. I was a post-doctoral student at the London School of Hygiene and Tropical Medicine, University of London, the institution in which Drs. Newhouse and Thompson worked. I knew them both during the 1961-1962 period when they were conducting this study.

- With the lowering of the OSHA PEL to 2 f/cc TWA in 1976, there was also concern for the exposure of school and building occupants to asbestos that might become airborne from in-place asbestos-containing materials (ACM) such as sprayed-on structural steel fireproofing, thermal insulation, sprayed-on acoustic ceiling material, floor tile, air blower vibration dampers and other ACM products in buildings. The Environmental Protection Agency (EPA) issued a guidance document addressing this concern in 1979 (U.S.E.P.A.: Asbestos-Containing Materials in School Buildings: A Guidance Document. Part I. OPTS. Washington, D.C. 1979). This concern was debated throughout the 1980's. Three additional EPA guidance documents were published which progressively reduced the concern for the health of building occupants until, in the final guidance document published in 1990, in which the EPA concluded the risk to building occupants from airborne asbestos was very low, if it existed at all, and that the best policy was to manage the asbestos in-place (U.S.E.P.A., Managing Asbestos In-Place: A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials. PTS. Washington, D.C. 1990).
- It was not possible to quantitatively estimate the carcinogenic risk of inhaled asbestos until the methodologies of quantitative risk assessment (QRA) were developed. I served on the National Academy of Sciences Committee that developed those methodologies (National Academy of Sciences. Risk Assessment in the Federal Government: Managing the Process. National Academy Press. Washington, D.C. 1983). In 1986 OSHA promulgated an asbestos PEL of 0.2 f/cc TWA accompanied by an asbestos QRA that supported this standard. This was the first OSHA standard that specifically addressed the potential asbestos cancer risk from inhaled asbestos. In 1994 OSHA lowered the PEL to 0.1 f/cc TWA, using the same QRA to justify the new standard. The sequential lowering of the standard with time extended concern to populations exposed at even lower concentrations. The basis for the QRA is the technique of linear-no threshold extrapolation applied to exposure data at higher concentrations. The calculated risk is designated "hypothetical risk." The risk may or may not be real, but it serves as the basis for prudent public health policy. There is increasing evidence that the 1986 OSHA asbestos QRA over estimates the risk from inhaled airborne asbestos. In addition, since the 1990's a substantial and growing body of scientific evidence has developed that differentiates the particular health issues

associated with a specific, chemically and structurally distinct, asbestos fiber type. (Hodgson, J.T. and Darnton A., The quantitative risks of mesothelioma and lung cancer in asbestos exposure. Ann. Occ. Hyg. Vol. 44. No. 8. pp. 565-601, 2000); (Berman, D.W. and Crump, K.S. Final Draft: Technical Support Document For A Protocol to Assess Asbestos-Related Risk. Prepared for Office of Solid Waste and Emergency Response. U.S. Environmental Protection Agency. Wash., D.C., 2004)

B. Industrial Hygiene Concepts

- An essential concept in understanding the control of potentially toxic airborne contaminants in the workplace is the Threshold Limit Value (TLV). It is the 8-hour Time Weighted Average Concentration (TWA) of the agent in air which can be inhaled by a worker for 8 hours a day, 40 hours a week, 50 weeks per year for 45 years, with minimal or no risk of adverse health effects. The TLV was defined by the American Conference of Governmental Industrial Hygienists (ACGIH) and OSHA utilizes TLV's in its enforcement of workplace standards to this day. The meaning of an "acceptable concentration," in this same sense, was reiterated by the American National Standards Institute Z-37 Committee in 1967 (The Meaning of Acceptable Concentrations. ANSI Z-37 Committee, 1967). The acceptable U.S. concentration from 1938 until 1971 was 5 mppcf (30 f/cc).
- The appearance of visible dust in the workplace cannot be "cycballed" to derive an equivalent airborne concentration. What the human eye sees is dependent on numerous physical factors, including the refractive index of the dust, the particle size distribution of the dust, the shape of the dust particles, the dust concentration and the position of the observer relative to the dust cloud and the source of light.

The airborne asbestos concentration of 5 mppcf (30 f/cc) was not associated with industrial operations using asbestos products. Measurements of dust concentrations in the late 1970's and 1980's, measurements associated with product usage, confirmed that 30 f/cc was seldom exceeded, with the exceptions of asbestos mining, milling, manufacturing and remediation activities.

- It is very difficult to make airborne that dust which settles on horizontal surfaces. It is particularly difficult to make airborne those particles which are respirable, i.e. particles less than 10 microns Aerodynamic Equivalent Diameter. Thus, while it is good health and safety practice to maintain facilities as free of settled dust as possible, the presence of settled dust cannot be equated with the presence of an inhalation hazard.
- Dust concentrations in the workplace fluctuate. There may be short duration high concentrations, but it is the 8-hour TWA that is of significance for estimation of inhalation risk.

- Current OSHA standards require the use of respiratory protection when airborne asbestos concentrations exceed the PEL. Prior to OSHA the usual practice in many industries was to make respirators available to workers who desired to use them while performing dusty work. Respirator programs, as we understand them today, include selection for protection factor, fit testing and scheduled maintenance. None of this existed before OSHA.
- The concentration of airborne dust decreases with distance from the source. This is the reason worker exposure to dust must be measured with an air sampler worn by the worker; it samples at each location the worker occupies. Dust emitted from a source in a large building will usually not be detectable 40 or 50 feet from the source.

C. Chronology of the Georgia-Pacific Company's Approach to Asbestos in Joint Compound Products

In general, U.S. companies belong to industry-wide associations in their Standard Industrial Classification (SIC). Information of a non-competitive nature i.e. safety, pollution, standards are addressed in member committees; information is shared. Georgia-Pacific belonged to the Gypsum Association and had representation on its Safety Committee. In September, 1967 it is stated that "one member noted a recent problem involving the asbestos industry where a number of lung carcinoma cases had been reported by inhabitants of the neighborhood surrounding an asbestos plant." (Gypsum Association, Safety Committee Minutes, Sept. 19, 1967) This is the earliest mention of asbestos in the Safety Committee Minutes I reviewed.

In 1968 there is reference to a U.S. House of Representatives Bill to "promote the safety of workers engaged in working asbestos for shipment in commerce." In May, 1970, before passage of the Federal Occupational Safety and Health Act in the U.S. Dept. of Labor, Glen E. Wilson, Executive Vice President of the Bestwall Division and of the Gypsum Division, wrote a memorandum indicating "we should examine our joint system formulas to determine if we can use some material other than asbestos if this would become necessary some time in the future..." (G-P Memo, G.E. Wilson to C.W. Lehnert, May 7, 1970) Thus, Georgia-Pacific initiated efforts to find a substitute for the asbestos component of its joint compounds before any government standard or scientific study had suggested, or much less concluded, that either the manufacture or use of joint compound posed a risk of asbestos related disease in manufacturing workers or end users of the products. This memo preceded the Occupational Safety and Health Act and the first OSHA effort to control exposure of asbestos workers to asbestos (1971). A memo dated June 3, 1970 from E.F. Fatz of the G-P Portland office to M.F. Fink, Safety Director for Bestwall, called attention to a reported spot on the lung of a dry wall worker in New York, and that this information "might be of interest to the Gypsum Association Safety Committee." It should be noted that specific pathology or even identification, did not accompany this report. Mr. Fink on June 9, 1970 wrote a memorandum to E.F. Rogers, Secretary, Gypsum Association Safety Committee, in which he indicated "we question whether the percentages used in a formula after it is mixed in a batch could be

considered harmful." He also expressed his opinion that the contractor would be held accountable for workers wearing respirators and dust masks when sanding. The language used by Mr. Fink, "that the entire blame can be placed on the contractor" was technically incorrect. The technically correct word for "blame" is "responsibility." The employer is responsible for providing a safe and healthful work environment for his employees (Section 5A of the Federal Occupational Safety and Health Act). A memo on Mica Asbestos controls by Mr. Fink dated July 27, 1971 was sent to all plant managers; it focused on mixing and the use of respirators. On Sept. 24, 1971, Albert M. Fay, Vice President of Research and Marketing, National Gypsum wrote to W.H. Hunt, President

of Georgia-Pacific stating "Our tests indicate that sanding of joint treatment products and particularly the spraying of wall finishes offers some substantial potential hazards." On Oct. 7, 1971 a memorandum from C.W. Lehnert to W.H. Hunt indicates that Glen Wilson has asked that he try to eliminate asbestos in these products and that "we have been moderately successful in as much as we are in the process of reducing or eliminating the asbestos from our texture line. We had felt that the presence of asbestos in the textures could be more critical because they are spray applied and there would be more danger of inhaling the fibers....In any event, we will expedite our efforts to get rid of the asbestos in the joint compounds. This will be far more difficult because the asbestos controls the working properties which are essential to acceptance by the contractors..." This last sentence was prophetic, as substitution for asbestos in joint compound proved to be a very difficult process of testing new formulations in the field to achieve contractor acceptance in different regions of the country, each with different humidity/temperature conditions, which affect acceptance of the product during application and after drying.

While pursuing asbestos substitutes in textured and joint compounds, there were continuing efforts to comply with the initial OSHA standards for asbestos control, which focused on production of products and asbestos workers, as contrasted to users of asbestos products. M.F. Fink, Safety Director, in a memorandum dated January 6, 1972 to all Plant Managers, called attention to the first OSHA asbestos standard (an Emergency Temporary Standard) and the need to wear a respirator and have a medical program for employees exposed to asbestos in the plants. A January 20, 1972 memorandum from M.F. Fink to all plant managers called attention to some criteria that have been established in the first six months of operating under OSHA. "All employees working with asbestos, limestone, micas and talc shall be furnished an approved type respirator and it must be worn in the proper manner, while exposed to the above mentioned dusts." On January 24, 1972 a memo from J.D. Rauch of the Akron plant to E.B. Hollingsworth of the Portland plant indicates what is being done to comply with the new OSHA requirement. Dust masks and chest x-rays are being undertaken for asbestos control. Other controls for other potential hazards include hearing tests for each employee, installing an exit door, roll bars for machines, lighted exit signs and rearrangement of materials in storage among others.

A February 11, 1972 memorandum from M.F. Fink updates his notification to all plant managers by "bringing them up to date as regards recent changes in the OSHA program, also proposed changes."

On Sept. 8, 1972 the Texas Dept. of Health inspected the Acme plant at Quinah, Texas. Improvements were needed in housekeeping, control equipment and the respirator program. (Letter dated Sept. 22, 1972 from M.C. Wukasch, Texas Health Dept. to K.W. Brown, Plant Manager) Also, in August and September, 1972 inspections were conducted by the N.Y. State Inspector for dust and noise testing in the Joint Systems and Plaster Packing Departments. These inspections reflect what was occurring throughout U.S. industry with the startup of OSHA. Inspections found deficiencies in control programs, the facilities were notified and cited and, in the overwhelming majority of cases, improvements were implemented by those at the facilities.

Georgia-Pacific's already underway efforts to find a "suitable replacement for asbestos" were beginning to show some success. By November 1, 1972, plans called for "replacement of asbestos from Ready Mix which would eliminate asbestos from approximately 50% of our production ---thereafter the bagged products will be changed." (Memo from E.D. O'Neill to T.W. Richards and E.B. Hollingsworth dated Nov. 1, 1972) A Nov. 20 memorandum from W.M. Gettel to C.W. Lehnert discusses the results of a field test of the new asbestos substituted product in the Oklahoma City area and illustrates the kind of field trial effort required to substitute for asbestos in joint compound.

Tests for dust exposure by G-P and Union Carbide Corporation personnel indicated high, short-term exposures to asbestos in air from a loading hopper leading to a bagging machine (Asbestos Fiber Counts by M. Palmowski, E.J. Kleber and T.P. Norris, Dec. 29, 1972).

An indicator of the "learning period" for employers developing an asbestos control program is the Jan. 22, 1973 information package sent by the OSHA Seattle office to employers using asbestos. It is a digest or simplification of the OSHA rule.

Results of a Feb. 7, 1973 OSHA inspection of the Akron, N.Y. plant were discussed in a Feb. 9, 1973 memo from J.D. Rauch to E.B. Hollingsworth.

During this same period when G-P was devoting efforts to substitute for asbestos in textured products and in joint compound, it was also working with the Technical and Safety Committees of the Gypsum Association. In the February 14, 15, 16, 1973 meeting of the Technical Committee, the committee proposed the pooling of information on the "health and safety of asbestos in joint compounds, as a result of sanding and dry mixing." They also requested staff to develop a "list of testing agencies qualified to conduct tests of dust environments containing asbestos, determine estimated costs of test programs, and report on methods used." It also requested that "the Safety Committee recommend what is needed to protect the applicator working in these conditions." (Minutes of the Ninetieth Meeting of the Technical Committee, Gypsum Association, Feb. 14, 15, 16, 1973).

Airborne fiber counts in the Akron, N.Y. plant were measured (Report by Schifferle,

D.E. Furiani, B. Lilingalls and E.J. Lleber, Feb. 26, 1973). Results suggested the OSHA Permissible Exposure Limit (PEL) for inhaling airborne asbestos was being met.

G-P efforts to label bags of joint compound stem from an April 11, 1973 memo to all plant managers from C.S. Lehnert. The memo states "it is my understanding that our competitors will begin marking their bags shortly." The labeling of bags was in compliance with the 1972 OSHA asbestos regulation.

Efforts to comply with regulatory requirements in the Akron, N.Y. facility, are documented throughout 1973. Efforts were also in progress at the Acme plant. Field testing of joint compound without asbestos also continued (See Memorandum dated Feb. 23, 1973 from C.W. Lehnert to L.E. Winter on All Purpose Trial-Memphis).

A rubber stamp for warning was used to label bags commencing in May, 1973 (See Memoranda dated May 10, 1973 and May 14, 1973 from J.D. Rauch to C.W. Lehnert and C.W. Lehnert to J.D. Rauch, respectively).

The Manufacturing and Mining Committee of the Gypsum Association at its April 3, 1973 meeting recommended to the Board of Directors that an evaluative study be made of asbestos content in mixing and application operations after the study objectives are clearly defined. At the April 4, 1973 Membership meeting it was recommended that a Testing Committee be appointed. The Board of Directors, on April 5, 1973, approved a fire and sound testing program.

The asbestos hazard warning label on bags was incorporated into the bag manufacturer's printing plates at the Akron, N.Y. plant. (Memorandum from Ed Anson to J.B. Moss dated May 2, 1973. Also, May 8, 1973 letter from E.L. Anson of G-P to Hal Berven of the bag supplier). The label on bags fulfilled what was required by OSHA and all plants were requested to use this label (Memorandum from W.N. Gettel to K.W. Brown dated May 25, 1973).

A June 19, 1973 Memorandum from Gene Wilson to J.D. Rauch indicates Georgia-Pacific is intent to comply with new government regulations, instructing Mr. Rauch (Plant Manager) to "proceed as rapidly as possible, on an emergency basis, to correct our deficiencies."

A letter from H.B. Carlsen, Secretary, Technical Committee of the Gypsum Association, outlined an approach to underwriting a test program for monitoring of dust conditions for asbestos, as well as for mica, silica, quartz, talc and total dust. The approach outlined was "encouraged" by OSHA "if they could show that Association procedures to mix and sand joint compound had been followed. It was definitely stated that if the proposed program was finalized and developed, it would certainly show good faith on the part of the manufacturer and the contractors who adhered to it." Thus, the Gypsum Association discussed its planned testing effort with OSHA, the regulatory agency, a rare procedure for U.S. industry. The effort of the Association to work with OSHA concerning asbestos and joint treatment compound was supported by Glenn H. Wilson, Vice

President, G-P. (Letter dated June 21, 1973 from Glenn H. Wilson to H.B. Carlsen, Secretary, Technical Committee, Gypsum Association). On July 6, 1973 H.B. Carlsen wrote to all members of the Technical Committee indicating the Directors support the testing program for joint compound. He recommended the subcommittee meet in August 1973 to begin the work (Memo dated July 6, 1973 to All Members of the Technical Committee from H.B. Carlsen, Secretary).

The George D. Clayton and Associates firm was contracted to perform the industrial hygiene survey of joint compound operations. George D. Clayton Associates issued a report to the Gypsum Association titled "Evaluation of Exposure to Asbestos During Mixing and Sanding of Joint Compounds" dated November 19, 1973. The report indicated that "If it is true that, as reported by workers used during this test, it would be unlikely for an individual to mix or sand on the joint compounds for greater than two hours per work day, than the time-weighted average exposure of such worker to asbestos likely would be within acceptable limits." However, the short term exposure limit would still be exceeded. R.D. Soule, the author of the report recommended substitution of asbestos in joint compound as "The most effective means of eliminating the asbestos problem.....if this is feasible." Additional engineering controls were recommended as the OSHA Permissible Exposure Limit would be reduced from 5 f/cc to 2 f/cc in July, 1976.

OSHA compliance efforts were continued by G-P in 1974. The Akron plant permanent engineering controls were to be ready by February 11, 1974 and the plant would be reinspected on that date or shortly thereafter. The plant manager was confident of passing the inspection (Memorandum, J.D. Rauch to E.B. Hollingsworth on OSHA Asbestos Reinspection dated February 8, 1974).

On or about April, 1974 OSHA issued an asbestos hazard warning for dry-wall spackling. It was received by G-P on April 26, 1974. The basis for the warning, a study of 17 members of a New York City painters local, was reported in the May, 1974 issue of Walls and Ceilings Magazine. A memo from O.E. Burch to G.E. Wilson dated May 17, 1974 states "This is the first time I have seen actual cases reported." This was the first government statement re: the potential hazard of dry-wall spackling. As part of the OSHA Medical Surveillance requirements, G-P performed Chest x-ray examination of workers at the Akron, N.Y. plant. Results revealed chronic obstructive airway disease on certain employees, a condition not specifically related to asbestos inhalation. (G-P Intracompany Memo, L. Ryder to R.L. McCallister on Akron, N.Y. Chest X-rays and Ventilation Study dated April 26, 1974).

In June 1974 the type size for "Caution" on labels was doubled in size and the word was underlined (Memo to D.C. Corkill from O.E. Burch titled "Warning Labels Joint Cement Products" dated June 4, 1974). Internal concerns regarding possible impact on sales apparently existed, but were overruled (Memorandum J.R. Hurd to W.A. Nalbene titled Asbestos Caution Labels dated June 7, 1974).

On June 14, 1974 M.M. Brenner, Assistant Secretary of the Gypsum Association Safety

Committee sent a booklet to all plant managers. It contained recommended guidelines for compliance with existing OSHA Asbestos Standards (See Gypsum Association Booklet Occupational Safety and Health Standards: Compliance Procedures. June 25, 1974). Evidently, this was issued to assist plant managers in their efforts to comply with OSHA standards before and after OSHA inspections, which as noted above, were occurring in G-P facilities during 1973 and 1974, and were undoubtedly occurring in other association member plants, as well.

An evaluation report of the asbestos control efforts at the G-P Portland plant was prepared by Dr. Marvin Amdur (Intracompany memo R.L. McCallister to L. Ryder dated July 1, 1974). The program undertaken to control asbestos was extensive.

In July, 1975 the Marietta, Georgia G-P plant was inspected by OSHA. Several citations were for asbestos control. Conditions were corrected and reinspection was scheduled (7/31/75 Handwritten sheet of corrections attached to citations).

The first published peer-reviewed scientific article on the subject of exposure in the use of consumer spackling, patching and taping compounds appeared on Aug. 15, 1975 (Rohl, A.N. Langer, A.M., Selikoff, I.J. and Nicholson, W.J.: Exposure to asbestos in the use of consumer spackling, patching and taping compounds. *Science* 189. 551-553, 1975). The results of asbestos exposure monitoring exceeded the OSHA short term (15 minutes) excursion limit of 10 f/cc. The authors believe the 8-hr. OSHA standard is inappropriate due to the discontinuous nature of the exposure. These exposure results concur with the findings reported to the Gypsum Association by the George D. Clayton Associates organization in their study.

In August, 1975 the Akron plant was producing some asbestos free joint compound. The Acme plant Ready-Mix was not yet ready as of Nov. 17, 1975. The difficulties experienced in this substitution by G-P as well as other manufacturers, is noted (Memorandum, W.D. Brooks to Dave Corkill dated Nov. 17, 1975 re: asbestos free).

A June 24, 1976 memo from G.F. Baitinger to Branch Managers indicates that the plants are meeting the new OSHA 2 f/cc standard. However, he also states that there are no regulations for asbestos on construction sites, which is incorrect.

On August 18, 1976 G.E. Wilson indicates that "all products designed for the do-it-yourself trade, i.e. the 5-pound package of dry products and 1-gallon Ready-Mix, will contain asbestos-free formulas.....however, if any plant has an inventory of these products that contains asbestos, it should be scrapped." Also, "effective immediately, the only dry powder products in 25 pound or larger bags that will be sold will be casein products produced at Akron and Chicago. If you are producing any other bag goods with asbestos, you will eliminate this formula from your product line and have Tigard issue you an asbestos-free replacement formula."

"We will continue to produce both asbestos and asbestos-free applicators and work toward improvement of the asbestos-free product." (Memorandum from G.E. Wilson to

plants and others dated Aug. 18, 1976 and titled Joint Cement Products).

A letter from O.E. Burch, Sales Manager, Gypsum Division to Craig Burningham, who wrote him on January 14, 1977 seeking information on asbestos in joint compound, represents an expression of Mr. Burch's own beliefs Re: asbestos is in joint cement but is, in my opinion, an unfortunate choice of words. I did not locate any other replies of this nature to customers.

Shipments of asbestos free and asbestos joint compounds, by plant, are contained in an April 21, 1977 memo from C.W. Lehnert to G.E. Wilson.

On April 23, 1977 the Consumer Product Safety Commission (CPSC) announced a ban on the use of asbestos in joint system compounds. On 4/23/77 G-P plants were told "do not run asbestos formulas after today." (Memo from E.B. Hollingsworth to plants and to others) Actually, the CPSC allowed 4-6 months for producers to make the transition. G-P used its remaining asbestos inventory before conversion to asbestos-free product (Memo from D.C. Corkill to Regional Gypsum Managers dated 5/2/77). This message was transmitted by E.B. Hollingsworth to plant managers (Memo from E.B. Hollingsworth to plant managers dated 5/2/77). A clarifying memo from W.D. Brooks to Branch Managers indicated asbestos formula ready mix will be sold only to contractors and dealers selling to contractors.

"Asbestos free formula is not to be sold to retail outlets for consumer use."
(Memorandum from W.D. Brooks to Branch Managers dated 5/3/77)

The manufacture of products containing asbestos stopped on May 4, 1977 (Memorandum from E.B. Hollingsworth to plants dated 5/3/77). The absence of major problems with asbestos-free Ready-Mix is addressed on 5/20/77 by C.A. Spear (Memorandum from C.A. Spear to E.B. Hollingsworth dated 5/20/77).

Asbestos was left over after cessation of production of asbestos products. E.L. Aasen, Purchasing Manager, Gypsum division, addresses this in a letter to R.E. Byrne, Jr. Union Carbide Corp. (Letter from E.L. Aasen to R.E. Byrne, Jr. dated June 21, 1977).

G.E. Wilson wrote to S. John Byington, Chairman, CPSC, on July 6, 1977, commenting on two issues associated with the ban and also indicates "on the date of your announced ban on spackling compound we ceased using asbestos in our product and switched to a substitute."

Confirmation of sales of unused asbestos to the Union Carbide Corporation is contained in a letter dated Oct. 24, 1977 from E.L. Aasen to R.E. Byrne, Jr. (Letter dated Oct. 24, 1977 to R.E. Byrne from E.L. Aasen, Purchasing Mgr., Gypsum Division).

D. Summary

G-P was ahead of, or moving with the curve of control of asbestos in joint compound in the U.S. In 1970, before OSHA existed and before any scientific study or governmental finding had associated the use of joint compound with any asbestos health related risk, G.E. Wilson, Vice President of Georgia-Pacific's Bestwall Joint Compound Manufacturing Division, indicated the direction to be taken; Georgia-Pacific decided to remove asbestos from its products. Initially, asbestos was removed from spray-on texturizing products, an easier and more urgent task than removing it from joint compound. Elimination of, and substitution for chrysotile asbestos in joint compound, required years of effort at reformulating product for different markets and gaining user, particularly contractor acceptance. G-P also worked through the Gypsum Association Safety Committee to undertake tests to evaluate exposure to asbestos during product production and end uses, such as sanding. During the 1973-74 period when OSHA was enforcing its new asbestos standard at production plants throughout the country, G-P responded to inadequacies found on inspection in a timely and cooperative manner. Plants were brought into compliance. The G-P efforts at replacing asbestos in joint compound in many markets preceded the Consumer Product Safety Commission (CPSC) ban in 1977. During the interim period to achieve asbestos-free products, G-P labeled bags and containers with an appropriate hazard warning and indicated an approved respirator was required.

In my opinion, G-P conducted business in a responsible and timely manner in dealing with the new health findings regarding inhaled asbestos and the compliance with OSHA rules for asbestos control in production facilities. Georgia-Pacific Bestwall Division established a goal of asbestos free textured and joint compound products before Congress passed the Federal Occupational Safety and Health Act. Obtaining "asbestos-free" joint compounds proved to be a very difficult and time consuming effort due to the very nature of the products, which had to satisfactorily function in different temperatures and humidities all over the U.S. G-P persisted and successfully substituted for asbestos in a substantial volume of its products and complied with all OSHA asbestos rules before CPSC banned asbestos in joint compound and before the CPSC ban took effect.

Appendix A

Curriculum Vitae

CURRICULUM VITAE

Morton Corn

PERSONAL DATA

Home Address

3208 Bennett Point Road
Queenstown, MD 21658-1126
Phone: (410) 827-7305

Business Address

Morton Corn & Associates, Inc.
3208 Bennett Point Road
Queenstown, MD 21658-1126
Phone: (410) 827-3205
Fax: (410) 827-3206
Email: mjcorn@friendly.net

EDUCATION AND TRAINING

<u>Degree</u>	<u>Year</u>	<u>Institution</u>	<u>Field</u>
B.Ch.E.	06/55	The Cooper Union New York, NY	Chemical Engineering
M.S.	06/56	Harvard University Division of Engineering and Applied Physics Cambridge, MA	Industrial Hygiene and Sanitary Engineering
Ph.D.	01/61	Harvard University Division of Engineering and Applied Physics Cambridge, MA	Industrial Hygiene and Sanitary Engineering

Postdoctoral Training

National Science Foundation Postdoctoral Fellow, London School of Hygiene and Tropical Medicine, University of London, Medical Research Council, London, England, 1961-62.
Guggenheim Fellow, London, England, 1972-73.

Board Certification

Board of Certified Safety Professionals, Parkridge, Illinois (Certificate No. 1869).

PROFESSIONAL EXPERIENCE

Professor Emeritus, July 1, 1997 - present, The Johns Hopkins University, School of Hygiene and Public Health, Department of Environmental Health Sciences, Division of Environmental Health Engineering.

Professor and Division Director, February 1, 1980 - June 30, 1997, The Johns Hopkins University, School of Hygiene and Public Health, Department of Environmental Health Sciences, Division of Environmental Health Engineering; Director, July 1982 - June 1997, NIOSH Educational Resource Center in Occupational Safety and Health; Director, June 1990 - March 1996, National Institute of Environmental Health Sciences Research Center.

Assistant Secretary of Labor, December 2, 1975 - January 20, 1977, Occupational Safety and Health, United States Department of Labor, Washington, D.C.

Professor, August 1967 - December 1979, University of Pittsburgh, Department of Industrial Environmental Health Sciences (formerly Department of Occupational Health) and Adjunct Professor, Department of Chemical Engineering; Associate Professor, June 1965 - August 1967, University of Pittsburgh, Department of Occupational Health; Associate Professor, September 1965 - July 1966, Department of Public Health Practice; Assistant Professor, September 1962 - September 1965; Department of Public Health Practice; Adjunct Assistant Professor, 1965, Chemical Engineering; Visiting Fellow, 1964-68, Mellon Institute (Industrial Hygiene Foundation).

Research Associate, September 1960 - August 1961, Harvard School of Public Health, School of Engineering and Applied Sciences. Joint appointment in Departments of Industrial Hygiene and Physiology.

USPHS Fellow, September 1958 - August 1960, Harvard School of Public Health, School of Engineering and Applied Sciences.

Project Engineer, July 1956 - August 1958, Robert A. Taft Sanitary Engineering Center, United States Public Health Service, Cincinnati, Ohio. Military service fulfilled while Project Engineer. Presently in USPHS Inactive Reserve. Permanent Grade: Sanitary Engineer Director.

Research Aide, June 1954 - September 1954; United States Atomic Energy Commission, Health and Safety Laboratory, New York, NY.

PROFESSIONAL ACTIVITIES

Societies/Memberships

Delta Omega (Honorary Public Health), 1955-1997
Air Pollution Control Association, Member 1957-1994; TR-1 Research Committee, 1966-67;
Member, Technical Council, 1973-75; Vice Chairman, Committee on Indoor Air Pollution, 1977
American Chemical Society: Member, Senior Grade, 1959-73; 1992-1997
Sigma XI: Senior Member, 1960-1989
British Occupational Hygiene Society, 1962-95
American Institute of Chemical Engineers: Member, Full Grade, 1963-1995
American Public Health Association: Fellow, 1964-
American Industrial Hygiene Association: 1959; Fellow and Honorary Member. Member, Technical
Committee for Air Pollution Evaluation, 1964-67; Member, Technical Committee for Aerosol
Technology, 1966-69; Member, Management Committee, 1982-85; Member, Long Range Planning
Committee, 1990-95; Member, Risk Assessment Committee, 1995-97.
Board of Directors, Elected Director, 2000-2003
Intersociety Committee for Standardization of Air Sampling Methods, Member, Sulfur
Compounds Subcommittee, 1965-68
American Association of University Professors, 1967-91
American Conference of Governmental Industrial Hygienists, 1968-; Vice Chairman Elect,
1982; Vice Chairman, 1983; Chairman, 1984; Awards Committee, 1984-1990
American Association for the Advancement of Science, 1969-75; 1982-84
Society of Occupational and Environmental Health: Founding Member, 1972-85; Councilor,
1973-76; 1981-84; Chairman, NIOSH Criteria Document Review Committee, 1974-75; Chairman,
Engineering Committee, 1975
Pan American Medical Association, 1975-76
American Thoracic Society, 1977-81
Collegium Ramazzini, 1983-
Society for Risk Analysis, 1987-97.
Permanent Commission on Occupational Health, World Health Organization 1980-95
Society for Environmental Exposure Assessment, 1993-1997
Amer. Soc. Safety Engineers, Member 1973-

Participation on Advisory Panels

Federal, State and Local Government

Allegheny County, Pennsylvania Air Pollution Advisory Committee, 1967-72;
Chairman, Air Quality Subcommittee, 1967-69
USPHS, National Air Pollution Control Administration, Air Pollution Research Grants
Advisory Committee, Member, 1968-72; Chairman, 1969-72
National Research Council, National Academy of Sciences Committee on Biological Effects
of Air Pollution, Member, 1970-71

PROFESSIONAL ACTIVITIES

Participation on Advisory Panels

Federal, State and Local Government (cont'd)

U.S. Department Health, Education and Welfare, NIH, Special Studies Section
(Grants Review), Member, 1974-75
National Research Council, National Academy Engineering Committee on Air Pollution and
Stationary Source Control, Member, 1974-75
Environmental Protection Agency, Science Advisory Board, 1975; 1977-81; 1982-85
National Institute of Occupational Safety and Health, Testing and Certification
Committee, 1979
National Advisory Committee on Vital and Health Statistics, DHEW, Washington, DC
1979-81
National Academy of Sciences, Committee on Institutional Means of Risk Assessment,
1981-82
Office of Technology Assessment Committee on Control Technologies in the Workplace,
Chairman, 1982-83
Governor's Toxic Substances Advisory Board, State of Maryland, 1982-85
Office of Technology Assessment, Committee on Cleanup of Uncontrolled Hazardous
Waste Sites Under Superfund, 1983-85
National Science Foundation Project on State of the Art of Risk Assessment, Member of
Advisory Committee, 1984
Maryland Long Range Environmental Planning Committee, State of Maryland, Baltimore,
MD, 1985-87
National Cancer Institute, Advisory Board on Methylene Chloride Epidemiological Study,
Member, 1986-87
Mine Health Advisory Committee, Member. National Institute of Occupational
Safety and Health, Atlanta, GA, 1986-89
Governor's Toxic Council, State of Maryland, Chair, 1986-89; Member, 1990-1991
Office of Technology Assessment Committee on Cleanup of DOE Weapons Production
Sites, Member, 1989-90
Office of Technology Assessment, Committee on Economic Aspects of OSHA Regulation,
Member, 1993-94
Department of Energy, Tank Advisory Panel (Hanford Site), Pasco, WA, 1993-1999
U.S. Department of Energy, Los Alamos National Laboratory, Environment Division
Advisory Committee, 1994-97

PROFESSIONAL ACTIVITIES

Consultations

Governmental Agencies

U.S. Atomic Energy Commission, Division of Biology and Medicine, Washington, DC, 1964-66; Oak Ridge National Laboratory, 1964-66; Los Alamos Scientific Laboratory, Industrial Hygiene Group, 1964-1975; Idaho Falls Reactor Test Site, Health and Safety Division, 1967

U.S. Public Health Service, Division of Air Pollution, Laboratory of Engineering and Physical Sciences, 1964-68

Allegheny County Bureau of Air Pollution Control, 1964-70

U.S. Bureau of Mines, Health and Safety Division, 1965-72

Department of Environmental Resources, Commonwealth of Pennsylvania, 1971-72

WHO, Sao Paulo, Brazil, August, 1974

U.S. Department of Health, Education and Welfare, National Institutes of Health, Special Studies Section, 1974-75

Tennessee Valley Authority, Division of Environmental Planning, Chattanooga, Tennessee, 1974-75

Science Advisory Council of Canada, Ottawa, Canada, 1977

National Institute of Environmental Health Sciences, Bethesda, MD 1977

National Institute of Occupational Safety and Health, 1981

General Services Administration (GSA), 1981-83

Environmental Protection Agency, 1981-84

Office of Technology Assessment (OTA), 1982, 1984, 1989

CETESB, Sao Paulo, Brazil, 1983

U.S. Department of State, 1983

U.S. General Accounting Office, 1984-85

U.S. General Services Administration, 1984-85

U.S. Library of Congress, 1985

Occupational Safety and Health Administration (Training Institute), Des Plaines, IL, 1986-1992

State of Kentucky Corrections Office, 1988

U.S. Occupational Safety and Health Administration, Health Standards Directorate, Washington, DC, 1990; 1992

U.S. Department of Energy, Los Alamos Scientific Laboratories, Environmental Restoration and Waste Management Advisory Committee, 1993-94

U.S. Department of Energy, Hanford Tank Advisory Panel Subcommittee on Tank Vapors, Richland, WA, 1993-1999

National Institutes of Health, 1993

U.S. Army, Fort Meade, MD, 1993

U.S. Department of Energy, Washington, D.C., Office of Health, Safety and Environment, 1994-97.

PROFESSIONAL ACTIVITIES

Consultations (cont'd)

Private and Non-Profit Organizations

Industrial Hygiene Foundation, Mellon Institute (Visiting Fellow), 1964-68

In this capacity, consultation and services were provided for the following industries:

St. Joseph Lead Company, Monaca, PA, 1965
Perkin-Elmer Corporation, Norwalk, CN, 1965
Pittsburgh Plate Glass Company, Pittsburgh, PA, 1965
Owens-Corning Fiberglas Corporation, Newark, OH, 1965-66
International Nickel Company, Huntington, WV, 1965-67
Dravo Corporation, Neville Island, PA, 1967
Butler County Mushroom Farm, Winfield, PA, 1967
Westinghouse Airbrake Company, Pittsburgh, PA, 1967
Homer-Laughlin China Company, Newell, WV, 1968
Pittsburgh-Corning Corp., Port Allegheny, PA, 1965-67
Electric Power Research Institute, Palo Alto, CA, 1974
Harvard University School of Public Health (Respiratory Disease Study), 1974-84
Oakland University, Oakland, MI, 1977
Mellon Institute of Science, Carnegie-Mellon University, Pittsburgh, PA, 1977-78
University of Toronto (Chemical Engineering and Applied Chemistry Department),
Toronto, 1977-78
Wayne State University, Detroit, MI (Toxicology Course), 1977-82
Carnegie-Mellon University, Post Professional Education Center, Pittsburgh, PA, 1977-85
Canadian Chemical Producers Association, Montreal, 1978
Bituminous Coal Operators Association, Washington, D.C., 1978
New York University, Institute of Industrial Medicine, New York, NY, 1978-80
American Mining Congress, Washington, D.C., 1978, 1981, 1984
Pennsylvania State University, State College, PA, 1979
Brookings Institution, Washington, D.C., 1979-81, 1983
American Petroleum Institute, Washington, D.C., 1979, 1985
Universities Associated with Research and Education in Pathology (UAREP), 1984
Thermal Insulation Manufacturers Association, Member, Advisory Committee, 1984
Project on Health Effects of Hazardous Waste Sites, Bethesda, MD, 1984
Safe Buildings Alliance, Washington, D.C., 1985
Clean Sites, Incorporated, Alexandria, VA, (Chair, Technical Advisory Board), 1985-88
Gypsum Association, Chicago, IL, 1985
The Refractories Institute, Pittsburgh, PA, 1986-92
Harvard University Health and Safety Office, Cambridge, MA, 1986-88
Manufacturing Chemists Association, 1987
Aluminum Association, Washington, D.C., 1987
Health Effects Institute, Cambridge, MA, 1988

PROFESSIONAL ACTIVITIES

Consultations

Private and Non-Profit Organizations (cont'd)

GM/UAW Health Advisory Committee, Detroit, MI, 1988-92
Georgetown University, Epidemiology Center, Washington, DC, 1989-92
Associated Universities, Washington, DC, Member, Board of Trustees, 1991-98
Carpet and Rug Institute, Dalton, GA 1993-96
University of Calgary, Calgary, Canada, 1994
Institute for Polyacrylate Absorbents, Washington, DC, 1994; 1996; 1999
China Industrial Information Institute, Washington, DC, Secretary, 1996-2004
Howard Hughes Medical Institute, Washington, DC, 1999

Consulting Firms

Hemeton Associates, Pittsburgh, PA, 1962-63
CONTECSA, Buenos Aires, Argentina, 1972
Macro Systems, Silver Spring, MD, 1974-75
A.D. Little, Incorporated, Cambridge, MA, 1975
Engineering Science, McLean, VA, 1977
NUS, Rockville, MD, 1977
Bolt, Beranek and Newman, Cambridge, MA, 1977-78
O'Donnell Associates, Pittsburgh, PA, 1979
Green International, Incorporated, Sewickley, PA, 1979
TRC of New England, Hartford, CT, 1979
Clayton Environmental Consultants, Southfield, MI, 1979-82, 1985-89; 1990; 1998
Engineering Research and Technology, Concord, MA, 1980
Consultants in Epidemiology and Occupational Health, Washington, DC, 1984-85
Regulatory Resources, Incorporated, Toledo, OH, 1985
Circadian Technologies, Incorporated, Wellesley, MA, 1987
ICF/Clements, Inc., Washington, DC, 1991
Weinberg Group, Washington, DC, 1992
Science International, Inc., Arlington, VA, 1993-1996
Dames and Moore, Denver, CO, 1994
Paragon Technical Services, Inc., Albuquerque, NM, 1994-1996
Economic Research Services, Tallahassee, FL, 1999-

Legal and Insurance Firms

Glasso and Kachulis, Attorneys-at-Law, Pittsburgh, PA, 1964
Continental Insurance Company, 1967
Reed, Smith, Shaw and McClay, Pittsburgh, PA, 1968, 1998, 1999, 2000
Rose, Schmidt and Dixon, Pittsburgh, PA, 1968
Jones, Gregg, Creehan and Gerace, Pittsburgh, PA, 1971

PROFESSIONAL ACTIVITIES

Consultations

Legal and Insurance Firms (cont'd)

Technical Advisory Service for Attorneys, Pittsburgh, PA, 1971
Stites, McElvain and Fowler, Louisville, KY, 1975
Haynesworth, Perry, Bryant, Marion & Johnstone, Greenville, SC, 1979
American Insurance Company, Pittsburgh, PA, 1979
Shea and Gardner, Washington, DC, 1980
Hamel, Park, McCabe and Saunders, Washington, DC, 1981
Hunton and Williams, Richmond, VA, 1981
Morgan, Lewis and Bockius, Philadelphia, PA, 1982-1997; 2000, 2003, 2004-
Cadwalader, Wickersham & Taft, NY, 1983, 1990
Kirkland and Ellis, Washington, DC, 1985, 1992, 2002
Foley, Hoag and Eliot, Boston, MA, 1986
Hoyle, Morris and Kent, Philadelphia, PA, 1986-90, 1993-1999
Goodwin, Proctor and Hoar, Boston, MA, 1987-89
Sewell and Riggs, Houston, TX, 1988
Venable, Baetjer and Howard, Baltimore, MD, 1989-91, 1999, 2000, 2004
Arter and Hadden, Columbus, OH, 1989; 1991-92; 1994-95
Quinn, Ward and Kershaw, Baltimore, MD, 1991
Willman and Arnold, Pittsburgh, PA, 1991-1995
Jackson and Kelly, Washington, DC, 1991-93
Hardin, Cook, Lopez, Engel and Bergez, Oakland, CA, 1991-92; 1995-96
Brown, Sims, Wise & White, Houston, TX, 1993
Kean, Miller, Hawthorne, D'Armond, McCowan & Jarmen,
Baton Rouge, LA, 1993, 1994, 1998, 1999, 2000, 2001, 2002
Sugden, McFee & Roos, Vancouver, B.C., 1992-93
Akin, Grump, Strauss, Hauer & Feld, Washington, DC, 1993-95, 1998
Hill, Fulwider, McDowell & Matthews, Indianapolis, IN, 1993
Macaulay and McColl, Vancouver, B.C., 1994
Crowell and Moring, Washington, DC, 1994-
Israel and Wood, Pittsburgh, PA, 1994
Babst, Calland, Clements and Zornir, Pittsburgh, PA, 1994
Coblence and Warner, New York, NY, 1994-95
Allstate Insurance Company, Chicago, IL, 1995
Skadden, Arps, Meagher, Slate and From, New York, NY, 1994, 1998, 1999
King and Spalding, Washington, DC, 1995, 2000, 2001, 2002
Church and Houff, Baltimore, MD, 1996
Fulbright and Jaworski, Houston, TX, 1996
Patton-Boggs, Washington, DC, 1995-96; 1997, 1999
Adler, Pollock and Sheehan, Inc., Providence, RI, 1996
C. Marshall Friedman, St. Louis, MO, 1996
Covington and Burling, Washington, DC, 1996

PROFESSIONAL ACTIVITIES

Consultations

Legal and Insurance Firms (cont'd)

Stevenson, Rusin & Friedman, Chicago, IL, 1997
Bergeson and Campbell, Washington, DC, 1997
Williams, Kastner and Gibbs, Seattle, WA, 1997
Shackleford, Farrior, Stallings and Evans, Tampa, FL, 1997-98
Forman, Perry, Watkins, Krutz and Tardy, 1997-98, 2002
Baker and Botts, Houston, TX, 1998
Vorys, Sater, Seymour and Pease, Columbus, OH, 1998, 1999, 2000, 2001, 2003-
Wilson, Elser, Moskowitz, Edelman and Dicker, Newark, NJ, 1998-
Obermayer, Rebnann, Maxwell and Ilippel, Philadelphia, PA, 1998-1999
Steptoe and Johnson, Washington, DC, 1998-1999; 2000, 2001, 2002, 2003, 2004-
Steptoe and Johnson, Los Angeles, CA, 2000-
Mayor, Day, Caldwell and Keeton, Houston, TX 1998-1999
Foley and Lardner, Chicago, IL, 1998-1999
Latham and Watkins, Los Angeles, CA, 1999-2000
Calwell and McCormick, Charleston, WV, 1999-2001
Mathhiesen and Chasc, Houston, TX, 1999
Hinshaw and Culbertson, Chicago, IL, 1999, 2001, 2002
Jones, Day, Reeves and Pogue, Washington, DC, 1999, 2000
LaBoent, Greene and MacRae, Washington, DC, 1999-2000
Ropes and Gray, Boston, MA, 1999-2001
King & Spalding, Atlanta, GA., 2000
Lemle & Kelleher, New Orleans, LA, 2000, 2001
Jenkins & Gilchrist, Dallas, Texas, 2000-2001
Hahn, Loesser & Park, Columbus, Ohio, 2000
Deutsch, Kerrigan & Stiles, New Orleans, LA, 2001-2002
Siegel & Naprekowski, Cherry Hill, New Jersey, 2001
Jackson & Walker, Houston, TX, 2001- 2002
Gibson, Dunn & Crutcher, Washington, DC, 2001, 2003
Gollatz, Griffin & Ewing, Philadelphia, PA, 2001
Wilbraham, Lawler & Buba, Philadelphia, PA, 2001, 2005
Simon, Peregrine, Smith & Redfean, New Orleans, LA, 2001
Wilcox & Savage, Norfolk, VA, 2001-
O'Melvany & Myers, San Francisco, CA, 2001- 2002
Spilman, Thomas & Battle, Charleston, W. Va., 2001-2003
Dickinson Wright, Detroit, MI, 2001-
Brobeck, Phleger, Harrison, San Francisco, CA, 2001-2002
Hawkins & Parnell, Atlanta, GA, 2001
Dickie, McCamay & Chilcote, Pittsburgh, PA, 2001-
Reed, Smith, Shaw & McClay, Pittsburgh, PA, 2001, 2002
Greenberg Traurig, Chicago, Ill., 2001, 2002, 2003, 2004, 2006 (NY Office)
Baker Sterchi Cowden & Rice, Kansas City Missouri, 2005 -
Filice Brown Eassa & McLeod, Oakland, CA, 2005 -

Legal and Insurance Firms (cont'd)

Edwards & Angell, New York, N.Y., 2002
St. Peter Law Group, San Francisco, CA, 2002
Arent Fox, Washington, D.C., 2002
Butler, Rubin, Sattarell and Boyd, Chicago, Ill., 2002
Baker & Botts, Houston, Texas, 2002
The Gaitan Group, Seattle, WA., 2003-
Montgomery, Barnett & Brown, New Orleans, LA., 2003
Brown McCarroll, Dallas, Texas, 2003, 2004
McGinnis, Lockridge and Kilgore, Houston, Texas, 2003-
Schoeman, Updike & Kaufman, New York, N.Y., 2003
Gillen & Anderson, Tyler, Texas, 2003
Mayer, Brown, Rowe & Maw, Chicago, Illinois, 2002-
Hawkins, Parnell & Thackston, Dallas, Texas, 2003-
Thelen, Reid & Priest, San Francisco, CA, 2003-
Duane Morris, Philadelphia, PA, 2003
Phelps Dunbar, Houston, Texas, 2003
Perkins Coie, San Francisco, CA, 2003-
Snell & Wilmer, Salt Lake City, Utah, 2003
Campbell, Campbell & Edwards, Boston, MA, 2003
Chilton, Yarnbert, Porter & Young, Chicago, Ill., 2003-2004
Delgada, Acosta, Borden & Johnson, El Paso, TX, 2004-
Thompson Hine, Chicago, Ill., 2004-
Jordan & Moscs, St. Simons Island, GA, 2006 -
Haynes, Houston, TX, 2006 -
Goodwin Proctor, Wash., D.C., 2006 -

Industrial Firms

Bird Industries, Newton, MA, 1961
Boston Radio Corporation, Boston, MA, 1961
Union Industrial Equipment Company, Fall River, MA, 1963-69
Crucible Steel Corporation, Pittsburgh, PA, 1966
Brooks Instrument Company, Hatboro, PA, 1966
Harbison-Walker Refractories Corporation, Pittsburgh, PA, 1966
Syntex Research Corporation, Palo Alto, CA, 1967
Ferro Corporation, Pittsburgh, PA, 1967
Becton-Dickinson Corporation, East Rutherford, NJ, 1967-68, 1972, 1981, 1986-89
United States Steel Corporation, Pittsburgh, PA, 1968
Ohio River Barge Company, Pittsburgh, PA, 1968
Consolidated Coal Company, Pittsburgh, PA, 1968
DuPont Company (Chambers Works), Wilmington, DE, 1968
Pittsburgh Plate Glass Company, Resins and Coatings Division, 1969
Pittsburgh Plate Glass Company, Plate Glass Division, 1969
Hanes Corporation, Winston-Salem, NC, 1969-70
Resources Research, Incorporated, Reston, VA, 1969-70
Pittsburgh-Corning Corporation, Pittsburgh, PA, 1969-70
Monterey Coal Company, Carlinville, IL, 1969-70
Baltimore Biological Lab (BBL), Cockeysville, MD, 1971
Pittsburgh Metals Purifying Company, Saxonburg, PA, 1972

Industrial Firms, cont.

International Nickel Company, Huntington Alloy Products Division,
Huntington, WV, 1972, 1975
Sierra-Permameer Corporation, Pittsburgh, PA, 1973
Thermal Insulation Manufacturers' Association, 1973, 1979-80
Witco Chemical Company, Bedford, PA, 1974
National Paint and Coatings Association, Washington, D.C., 1974
Eastern Associated Coal Corporation, Pittsburgh, PA, 1974
ARCO/Polymers Corporation, Philadelphia, PA, 1974
Ethyl Corporation, Baton Rouge, LA, 1974
Duquesne Light Company, Pittsburgh, PA, 1974
Royston Laboratories, Blawknex, PA, 1975
Environmental Research and Technology, Incorporated, Concord, MA, 1975
Corhart Refractories Company, Louisville, KY, 1975
National Industrial Sand Association, Silver Spring, MD, 1975, 1977-78, 1981
Mobay Chemical Company, Pittsburgh, PA, 1977
NUS Corporation, Rockville, MD, 1977
General Electric Company, Materials and Components Group, Pittsfield, MA, 1977
UOP, Incorporated, Des Plaines, IL, 1977-1994
Wilson Products, Incorporated, Reading, PA, 1977-78
EXXON, Florham Park, NJ, 1977-78
General Electric Company, Engineered Materials, Columbus, OH, 1977-81
IBM, Armonk, NY, 1977-82, 1984-85
Westinghouse Electric Corporation, Pittsburgh, PA, 1978
Donaldson Company, Minneapolis, MN, 1978
Vesuvius Crucible Company, Pittsburgh, PA, 1978
Alcan, USA, Cleveland, OH, 1978-81, 1983-84, 1986-87
Pennsylvania Glass Sand Company, Berkeley Springs, WV, 1979
Western Electric Company, Princeton, NJ, 1979
CIBA-Geigy Corporation, Ardsley, NY, 1979-80, 1987
Owens-Corning Fiberglas Co., Toledo, OH, 1979, 1985, 1987, 1989
Calgon, Pittsburgh, PA, 1980-81
Dana Corporation, Victor Products Division, Lisle, IL, 1981
American Mining Congress, Washington, D.C., 1981
Johns Manville Corporation, Denver, CO, 1981, 1986
United States Gypsum, Chicago, IL, 1982-
General Electric Company, Silicone Products Division, Waterford, NY, 1982, 1984
Kendall Corporation, Boston, MA, 1983
Carlisle Corporation, Butler, PA, 1983
Catalyst Recovery, Incorporated, Baltimore, MD, 1984
Katalistics, Incorporated, Baltimore, MD, 1984
A.P. Greene Company, Mexico, Missouri, 1984-85; 1988; 1990
Petro-Canada, Calgary, Canada, 1985
SCM Company, New York, NY, 1985-86
Consolidated Ceramics, Incorporated, Cincinnati, OH, 1985, 1987
Tambrands, Incorporated, Springfield, MA, 1986
Atlantic Richfield Corporation, Los Angeles, CA, 1986
The Wilkerson Group, New York, NY, 1986

W.R. Grace Corporation, Cambridge, MA, 1986, 2001, 2003, 2006

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Industrial Firms, cont.

U.S. West, Information Systems, Incorporated, Denver, CO, 1986-87
Marville Corporation, Denver, CO, 1987
E.I. DuPont de Nemours, Wilmington, DE, 1987
ALCOA, Pittsburgh, PA, 1987
Lonza Chemical, Fairlawn, NJ, 1988
Gates Energy Products, Gainesville, FL, 1988
Masonite Company, Raleigh, NC, 1988
EDS, Herndon, VA, 1989
Charles E. Smith Companies, Washington, D.C., 1989
Biospherics, Rockville, MD, 1989
ARCO, Los Angeles, CA, 1989
International Nickel Company, Wright Beach, NC, 1990
Exxon, New Orleans, LA, 1990, 1994-96
Purac Company, Gardena, CA, 1990-91
Corning Glass Company, Corning, NY, 1991
Mobil Oil Corporation, Princeton, NJ, 1992; 1999
Carborundum Corporation, Niagara Falls, NY, 1992-95
Schuller International, Inc, Denver, CO, 1994
Honda Manufacturing of America, Inc., Marysville, OH, 1994-95; 1999; 2000; 2001
Hoechst-Celanese, Charlotte, NC, 1995
Unifrax, Inc., Niagara Falls, NY, 1995-
M&M Mars, Inc., Hackensack, NJ, 1996; 1997
James Hardie, Inc., Fontana, CA, 2000
Virginia Mirror Co., Martinsville, VA, 2001
Kimberly Clark Co., Atlanta, GA, 2001-2002
American Colloid Co., Chicago, Ill., 2003
Daimler-Chrysler, Detroit, MI, 2003-
Ford Motor Co., Detroit, MI, 2003-
General Motors Co., Detroit, MI, 2003-
Scotts Co., Columbus, Ohio, 2003 -
Caterpillar Co., Duquene, Ill., 2003 -
Goodyear Tire & Rubber Co., Akron, Ohio, 2006 -
Georgia Pacific, Atlanta, GA, 2006 -

Testimonies - Never Recorded

EDITORIAL ACTIVITIES

Editorial Board Membership

Advisory Editor, Atmospheric Environment (Pergamon Press), 1967-1986
Member, Editorial Board, Air Pollution Control Association Journal, 1968-85
Associate Editor, Environmental Letters (M. Dekker, Publishers), 1969-1995
Editorial Board, Excerpta Medica, 1971-1985
Member, Editorial Board, Annals Occupational Hygiene, London, 1973-1993
Chairman of Editorial Board, American Industrial Hygiene Association Journal, 1978-1980
Member, Editorial Board, American Journal Industrial Medicine, 1980-1998
Member, Editorial Board, Applied Industrial Hygiene, 1985-1990
Member, Editorial Board, Applied Occupational and Environmental Hygiene, 1991-
Member, Editorial Board, Regulatory Toxicology and Pharmacology, 1996-1998

HONORS AND AWARDS

New York State Regents Scholarship, 1951-55
A.I.Ch.E. Student Content Problem Honorable Mention, 1955
American Institute of Chemists Student Chemistry Award, 1955
USAEC Fellowship (Industrial Hygiene Engineering), 1955-56
National Science Foundation Honorable Mention, 1958
U.S. Public Health Service Traineeship, 1958-60
National Science Foundation Post-Doctoral Fellowship, University of London, 1961-62.
U.S. Delegate, International Atomic Energy Panel of Experts on Aerosols, Vienna, Austria; July, 1967
Award for Best Paper Published in American Industrial Hygiene Association Journal, 1969.
WHO Fellowship (South America), 1970
Pittsburgh Chemists' Club and Technical Editors Society Best Paper Competition; Honorable Mention, 1971
Appointed Member, Permanent Commission and International Association on Occupational Health, Milan, Italy, 1972
John Simon Guggenheim Fellowship (London), 1972-73
Appointed Member, Panel of Experts on Occupational Health, WHO, Geneva, Switzerland, 1973-77, reappointed 1978-83; 1983-86; 1986-92; 1992-96
Elected Councilor, Society for Occupational and Environmental Health, 1973-76, 1981-84
Invited Participant, Workshop on Biological Effects of Fibers, IARC, Lyon, France, June 1977
Invited Lecturer, Working Environment '77, Jonkoping, Sweden, 1977
Invited Participant, International Conference on Asbestos, Johannesburg, South Africa, 1977
American Lung Association Lecturer, Hawaii, February-March 1978
Invited Lecturer, VI International Conference on Pneumoconiosis, Caracas, Venezuela, 1978
WHO Consultant, Geneva, Switzerland, November 1979; April 1981; December 1982; December 1983
Appointed Civilian Adviser (Biocenvironmental Engineering) to the Surgeon General of the U.S. Air Force, 1980-84
Invited Conference Speaker, Triennial Meeting of Permanent Commission on Occupational Health, Cairo, Egypt, 1981; Dublin, Ireland, 1984
Elected Vice Chairman (succeeded to Chairman in 1983), American Conference of Governmental Industrial Hygienists, 1981
WHO Consultant, Alexandria, Egypt, October 1981
WHO Consultant, Geneva, Switzerland, April 1982
Invited Speaker (Conference Address), British Occupational Hygiene Society Annual Meeting, London, England, April 1982
Invited Speaker and Session Chairman, International Conference on Biological Effects of Man Made Mineral Fibers, Copenhagen, Denmark, April 1982
Appointed Chairman, Industrial Hygiene Committee, Permanent Commission on Occupational Health, 1982
Elected Chairman, American Conference of Governmental Industrial Hygienists, 1982
Invited Speaker, Royal Society of Chemistry Annual Congress, Lancaster, England, 1983
Invited Speaker (Conference Address), Annual Meeting of Public Health Association of Nova Scotia, Halifax, N.S., October, 1983
Invited Lecturer, Institute of Health, National Academy of Medical Sciences, Beijing, Peoples Republic of China, (sponsored by Emory Foundation, Atlanta, GA), November 1983

HONORS AND AWARDS (cont'd)

- Elected Member, Collegium Ramnazini, 1983
- Invited Participant, Banbury Center Workshop on Risk Assessment, Cold Spring Harbor, NY, May, 1984
- Elected President, Association of Universities in Occupational Safety and Health, 1984.
- Invited Speaker and Panel Member, National Symposium on Occupational Safety and Health, Atlanta, GA, May 1985
- Cummings Award for Outstanding Contributions to Industrial Hygiene, American Industrial Hygiene Association, Dallas, June 1986
- Golden Apple Teaching Award, School of Hygiene and Public Health, Johns Hopkins University, 1986
- Chair, International Conference on Training and Education in Industrial Hygiene, Luxembourg, June 1986
- Invited Faculty Member, Workshop on Byssinosis in the Far East, Hong Kong, November, 1986
- Invited speaker, Third International Conference on Occupational Lung Diseases, Montreal, Canada, October, 1986
- Member, International Agency for Research on Cancer, Working Group on Man-Made Mineral Fibers, Lyons, France, June, 1987
- Invited Participant, Workshop on Work, Health and Productivity, Johns Hopkins University, Aspen-on-Wye, October 1987
- Invited Speaker, Aluminum Association Annual Health and Safety Meeting, Tampa, FL, December 1987
- Invited Lecturer, OSHA Training Institute, Des Plaines, IL, 1987; (3 occasions); 1988 (3 occasions); 1989 (3 occasions); 1990 (2 occasions); 1991 (2 occasions); 1992 (1 occasion)
- Member, General Motors/United Autoworkers Occupational Health Advisory Board, January, 1988-June, 1992
- Invited Speaker, Symposium on Health Aspects of Exposure to Asbestos in Buildings, Harvard University, Kennedy School of Government, December, 1988
- Invited Speaker, International Life Sciences Institute Symposium on Assessment of Inhalation Hazards, Hanover, Germany, February 1989.
- Invited Speaker, Workshop on Exposure Assessment, Linkoping, Sweden, April, 1990.
- Invited Summarizer, International Workshop on Retrospective Exposure Assessment for Occupational Epidemiology Studies, Virginia, April 1990.
- Invited Speaker, Symposium on Health, Environment and Social Change, Taipei, Taiwan, July, 1990.
- Invited Speaker, Workshop on Case Studies in Exposure Assessment, Stockholm, Sweden, September, 1990.
- Invited Participant, Roundtable on Occupational Diseases, The Roscoe Pound Foundation, Washington, DC, November, 1990
- Appointed Trustee, Associated Universities, Washington, DC, 1991-94.
- Invited Speaker, Workshop on Occupational Health, University of Bari, Bari, Italy, June, 1991.
- Invited Lecturer, Oslo, Norway, September, 1991.
- Invited Speaker, Workshop on Teaching Occupational and Environmental Lung Disease, Universities Associated with Research and Education in Pathology, Burlington, VT, 1991

Honors and Awards (cont'd)

Invited Plenary Speaker, 8th International Conference on Occupational Lung Diseases, Prague, Czechoslovakia, September, 1992.
Invited Conference Summarizer, 7th Annual Professional Conference on Industrial Hygiene, American Academy of Industrial Hygiene, Colorado Springs, CO, October, 1992.
Awarded Smyth Award by American Academy of Industrial Hygiene, Cincinnati, OH, October, 1993.
Elected Fellow, American Industrial Hygiene Association, 1994.
Invited Speaker, Department of Energy Workshop on Biomarkers, Santa Fe, NM, April, 1994.
Invited Lecturer, University of Calgary, Calgary, B.C. (Canada), May, 1994.
Keynote Speaker, Chesapeake Chapter American Industrial Hygiene Association, Professional Development Conference, Annapolis, MD, October 1994.
Keynote Speaker, Rocky Mountain Chapter, American Industrial Hygiene Association Annual Meeting, Denver, CO, 1995.
Invited Keynote Speaker, Australian Institute of Occupational Hygiene Annual Meeting, Perth, Australia, December 1996.
Elected Honorary Member, American Industrial Hygiene Association, 1996.
Invited Lecturer, Northwestern University School of Medicine, Chicago, IL, 1997.
Invited Lecturer, University of Oklahoma, School of Public Health, Oklahoma City, OK, 1997.
Elected to Board of Directors, American Industrial Hygiene Association, 2000
Invited Lecturer, Univ. S. Florida, Tampa, FL, October 2000
Meritorious Achievement Award, ACGIH, New Orleans, LA, 2001
Invited Speaker, DRI Seminar on Asbestos, Phoenix, AR, 2000
Invited Speaker, Organization Resource Counsellors, Wash, DC, 2002
National Academy of Sciences, Certificate of Appreciation for Outstanding Service, Wash., D.C. July, 2003
New York University Medical School, Mary O. Arndt Invited Lecture, May, 2006
Elected Member, Argentina Academy of Sciences, 2006

Listings: Who's Who in the East
Who's Who in America
World Who's Who in Science
American Men and Women of Science

PUBLICATIONS

Books

Corn, M.: Translation Editor: Zimon, A.D., Adhesion of Dust and Powder, Plenum Publishers, New York, 1969.

Corn, M. and Corn, J. (eds.): Training and Education In Industrial Hygiene: ACGIH Annals. ACGIH, Cincinnati, OH, 1988.

Corn, M. (Editor): Handbook of Hazardous Materials, Academic Press, Inc., New York, 1993.

Book Chapters

Corn, M.: "Adhesion of Particles." Chapter XI in Aerosol Science, Davies, C.N., Ed., Academic Press, New York, 1966, pp. 359-392.

Corn, M.: "Non-Viable Particles in the Air." Chapter 3 in Revised 2nd Ed. Air Pollution, Volume I, A.C. Stern, Ed., Academic Press, New York, 1968, pp. 47-94.

Corn, M.: "Aerosols and the Primary Air Pollutants - Non-Viable Particles - Their Occurrence, Properties, and Effects." Chapter 3, 3rd Ed. Air Pollution, Volume I, A.C. Stern, Ed., Academic Press, New York, 1976, pp. 77-168.

Corn, M. and N.A. Esmen: "Aerosol Generation." Chapter 2 in Handbook of Aerosols, ERDA, 1976, pp. 9-39.

Corn, M.: Regulatory Toxicology, Ch. 29 in Cassarell & Doull's, Toxicology, 2nd Ed. McGraw-Hill Book Co., New York, NY, 1980, pp. 710-726.

Hammad, Y.Y., M. Corn and V. Dharmarajan: "Environmental Characterization in Occupational Lung Diseases: Research Approaches and Methods. Weil, H. and Turner-Warwick, M., Eds. M. Dekker, Incorporated, New York, 1981, pp. 291-370.

Corn, M.: "Cotton Dust: A Regulators View" in Crandall, R.W. and Lave, L.B., The Scientific Basis of Health and Safety Regulation. The Brookings Institution, Washington, D.C., 1981, pp. 109-114.

Corn, M.: Strategies of Air Sampling. Chapter 18 in Recent Advances in Occupational Health, J.C. McDonald, Ed. Churchill Livingstone, London, pp. 199-209, 1981.

Corn, J. and Corn, M.: "The Control of Health Problems Related to Industrialization." Chapter 8 in The Social Context of Medical Research. Wechsler, H., Lamont, Havers and Lahill, G.F., Jr. (Eds). Ballinger Pub. Co., Cambridge, MA. 1981, pp. 193-231.

Corn, M. and J.K. Corn: "The Impact of Federal Regulations on Occupational Physicians." Chapter 3 in Clinical Medicine for the Occupational Physician (M.H. Alderman and M.J. Hanley, Eds.), M. Dekker, New York, N.Y. 1982. pp. 37-50.

Corn, M., Billings, C.E. and Lees, P.S.: "Engineering Control of Occupational Safety and Health Hazards." In publication of same title, First, M.W. ed. NIOSH, Cincinnati, OH, 1983.

Corn, M.: "Industrial Hygiene Program Performance Standards." In Industrial Hygiene - The Future, Am. Conf. Govt. Ind. Hyg., Cincinnati, OH, 1983, pp. 99-104, 1983.

Corn, M.: "Regulating Toxic Substances: An Update." In Public Policy, Science and Environmental Risk, S. Panem, Ed. The Brookings Institution, Washington, DC, 1983, pp. 29-32.

PUBLICATIONS

Book Chapters (cont'd)

Corn, J.K. and Corn, M.: "The History and Accomplishments of the Occupational Safety and Health Administration in Reducing Cancer Risks." Reducing the Carcinogenic Risks in Industry. Paul F. Deisler, Ed. Jr. Shell Oil Company, Houston, Texas, Marcel Dekker, Inc., New York and Basel, 1984.

Corn, M.: "Process of Standard Setting in Environmental Health". Occupational Lung Disease, Bernard, J., Gee, L., Keith, W., et al. Eds. Raven Press, New York, 1984, pp. 129-138.

Corn, M.: "Sampling Strategies for Prospective Surveillance: Overview and Future Directions." In Advances in Air Sampling. Lewis Publishers, Chelsea, MI, 1988, pp. 293-304.

Corn, M.: "Man-Made Mineral Fiber Exposure: Assessment and a Note on Nonoccupational Exposures to Asbestos in Air". Chapter 21 in Assessment of Inhalation Hazards: Integration and Extrapolation Using Diverse Data. (U. Mohr, Editor-in-Chief). Springer-Verlag. New York. 1989. pp. 233-241.

Farquhar, I., Sorkin, A., Corn, M. and Weir, E.: Estimating Costs of Occupational and Environmental Related Illnesses and Injuries: Methodology and Models. In Ergonomic and Social Aspects of Occupational and Environmental Health. Vol. 12 in the Series Research in Human Capital and Development. JAI Press, Inc., Stamford, CT. 1998. pp. 1-18.

Farquhar, I., Sorkin, A., Corn, M. and Weir, E.: Occupational Cost Estimates for Disease-Leading Causes of Death and Skin Diseases, and for Selection Population Clusters. In Economic and Social Aspects of Occupational and Environmental Health. Vol. 12 in the Series Research in Human Capital and Development. JAI Press, Inc., Stamford, CT. 1998. pp. 19-33.

Journal Articles

Corn, M., A.H. Rose, et al.: Air Pollution Effects of Incinerator Firing Practices and Combustion Air Distribution, J. Air Poll. Control Assoc. 8:297, 1959.

Corn, M., A.H. Rose, et al.: The Adhesion of Solid Particles to Solid Surfaces, I. J. Air Poll. Control Assoc. 11:1, 1961

Corn, M.: The Adhesion of Solid Particles to Solid Surfaces, II. J. Air Poll. Control Assoc. 11:566, 1961

Corn, M. and L. Silverman: Removal of Solid Particles from a Solid Surface by a Turbulent Air Stream, Am. Ind. Hyg. Assoc. J. 22:337, 1961.

Amdur, M.O. and M. Corn: The Irritant Potency of Zinc Ammonium Sulfate of Different Particle Sizes, Am. Ind. Hyg. Assoc. J. 24:326, 1963.

PUBLICATIONS

Journal Articles (cont'd)

Corn, M. and W. Bell: A Technique for Construction of Predictable Low Capacity Critical Orifices, Am. Ind. Hyg. Assoc. J. 24:502, 1963.

Corn, M.: The Orientation of Dust Particles During and After Settling in Water, Annals of Occ. Hyg. (London) 6:251, 1963.

Corn, M.: The Effect of Dust Particle Orientation on Particle Size Determined by Microscopic Techniques, Am. Ind. Hyg. Assoc. J. 25:1, 1964.

Corn, M. and L. DeMaio: Sulfate Particulates: Size Distribution in Pittsburgh Air, Science 143:803, 1964.

Corn, M. Statistical Reliability of Particle Size Distributions Determined by Microscopic Techniques. Am. Ind. Hyg. Assoc. J. 26:1, 1965.

Corn, M. and L. DeMaio: Particulate Sulfates in Pittsburgh, J. Air Poll. Control Assoc. 15:1, 1965.

Corn, M. and F. Stein: Reentrainment of Particles from a Plane Surface, Am. Ind. Hyg. Assoc. J. 26:325, 1965.

Antommaria, P., M. Corn, and L. DeMaio: Airborne Particulates in Pittsburgh Air: Associated with P,p'-DDT, Science 150:1476, 1965.

Linch, A.L. and M. Corn: The Standard Midget Impinger-Design Improvement and Miniaturization, Am. Ind. Hyg. Assoc. J. 26:601, 1965.

Stein, F., R. Quinlan and M. Corn: The Ratio Between Projected Area Diameter and Equivalent Diameter of Particulates in Pittsburgh Air, Am. Ind. Hyg. Assoc. J. 27:39 1966.

DeMaio, L. and M. Corn: Polynuclear Aromatic Hydrocarbons Adsorbed on Respirable Particulates in Pittsburgh Air, J. Air Poll. Control Assoc. 16:2, 1966.

DeMaio, L. and M. Corn: Gas Chromatographic Analysis of Polynuclear Aromatic Hydrocarbons with Packed-Columns, Anal. Chem. 38:131, 1966.

Corn, M., D.J. Thompson, W.J., Schreiberis and R.T.P. de Treville: Observations from a 26-Year Sulfur Dioxide Area Survey, AMA Arch. Env. Hlth. 12:445, 1966.

Corn, M. and F. Stein: The Adhesion of Atmospheric Dustfall Particles to a Glass Slide, Nature 211:60, 1966.

PUBLICATIONS

Journal Articles (cont'd)

Nadel, J.A., M. Corn, S. Zwi, J. Flesch, and P. Graf: Location and Mechanism of Airway Constriction after Inhalation of Histamine Aerosol and Inorganic Sulfate Aerosol, Inhaled Particles and Vapors, II, C.N. Davies, Ed., Pergamon Press, London, p. 55, 1966.

Stein, F., N. Esmen, and M. Corn: The Density of Uramine Aerosol Particles, Am. Ind. Hyg. Assoc. J. 27:428, 1966.

Corn, M. and G. Burton: The Irritant Potential of Pollutants in the Atmosphere, Arch. Environ. Hlth. 14:54, 1967.

Corn, M. and M. Flynn: Aerosol Dispersion in Hospitals Utilizing Aerosol Inhalation Therapy, Am. Ind. Hyg. Assoc. J. 28:386, 1967.

Corn, M., R. Quinlan and J. Katz: The Optical Evaluation of Atmospheric Dustfall, Atmos. Environ. 1:227, 1967.

Frey, J.W. and M. Corn: Physical and Chemical Characteristics of Particulates in a Diesel Exhaust, Am. Ind. Hyg. Assoc. J. 28:468, 1967.

Montgomery, T.L. and M. Corn: Adherence of Sulfur Dioxide Concentrations in the Vicinity of a Steam Plant to Plume Dispersion Models, J. Air Poll. Control Assoc. 17:512, 1967.

Frey, J.W. and Corn M.: Diesel Exhaust Particulates. Nature 216:615, 1967.

Corn, M., Montgomery, T.L. and Reitz, R.J.: Atmospheric Particulates: Specific Surface Areas and Densities. Science 159:1350, 1968.

Stein, F., Esmen, N.A. and M. Corn: Microscopic Examination of Particles Deposited on Opaque Substrates. Amer. Ind. Hyg. Assoc. J. 30:(2)196, 1968.

Fannick, N. and M. Corn: The Plasma Jet: Industrial Hygiene Aspects and a Survey of Current United States Practices for Employee Protection. Amer. Ind. Hyg. Assoc. J. 30: 226, 1969.

Burton, G.G., Corn, M., Gee, J.B.I., Vasallo, C. and A. Thomas: Response of Healthy Men to Inhaled Low Concentrations of Gas Aerosol Mixtures. Arch. Environ. Hlth. 3:443, 1969.

Stein, F., Esmen, N.A. and M. Corn: The Shape of Atmospheric Particles in Pittsburgh Air. Atmos. Environ. 3:443, 1969.

O'Donnell, H., Montgomery, T.L. and M. Corn: Routine Assessment of the Particle Size-Weight Distribution of Urban Aerosols. Atmos. Environ. 4:1, 1970.

PUBLICATIONS

Journal Articles (cont'd)

Corn, M.: The Physician and Achievement of Ambient Air Quality Goals. Arch. Environ. Hlth. 21: 117, 1970.

Schrag, K.R. and M. Corn: Comparison of Particle Size Determined with the Coulter Counter and by Optical Microscopy. Amer. Ind. Hyg. Assoc. J. 31:445, 1970.

Corn, M.: Measurement of Air Pollution Dosage to Human Receptors in the Community. Environ. Research 3:218, 1970.

Montgomery, T.L. and M. Corn: Aerosol Deposition in a Pipe with Turbulent Air Flow. Aerosol Sci. 1:185, 1970.

Corn, M.: Dose to the Respiratory Tract from Personal, Occupational and Community Air Pollutants. Environ. Letters 1:29, 1971.

Corn, M., T.L. Montgomery and N.A. Esmen: Suspended Particulate Matter: Variations in Specific Surface Areas and Densities. Environ. Sci. Tech. 5:155, 1971.

Corn, M.: Future Manpower Requirements in Occupational Health and the Role of AIHA, Editorial Page. Am. Ind. Hyg. Assoc. J., p. A-2, February 1971.

Cheng, R.T., J.O. Frohlinger and M. Corn: Aerosol Stabilization for Laboratory Studies of Aerosol-Gas Interactions. J. Air Poll. Control Assoc. 21:138, 1971.

Corn, M. and E.B. Sansone: Assessment of Inhalation Hazards Aboard Inland River Towboats, Am. Ind. Hyg. Assoc. J. 32:313, 1971.

Mayz, E.M., M. Corn and G. Barry: Determinations of Mercury in Air at University Facilities, Am. Ind. Hyg. Assoc. J. 32:373, 1971.

Bien, C.T. and M. Corn: Adherence of Inlet Conditions for Selected Aerosol Sampling Instruments to Suggested Criteria, Am. Ind. Hyg. Assoc. J. 32:453, 1971.

Bien, C.T. and M. Corn: Performance of Respirable Dust Samplers with Fibrous Dust, Am. Ind. Hyg. Assoc. J. 32:449, 1971.

Esmen, N.A. and M. Corn: Residence Time of Particles in Urban Air, Atmos. Environ. 5:571-578, 1971.

PUBLICATIONS

Journal Articles (cont'd)

Hammad, Y.Y. and M. Corn: Hygienic Assessment of Airborne Cotton Dust in a Textile Manufacturing Facility, Amer. Ind. Hyg. Assoc. J. 32:662, 1971.

Cheng, R.T., M. Corn and H.O. Frohlinger: Contribution to the Reaction Kinetics of Water Soluble Aerosols and SO₂ in Air at PPM Concentrations, Atmos. Environ. 5:987, 1971.

Corn, M., N. Kotsko, D. Stanton, W. Bell and A. Thomas: Response of Cats to Inhaled Mixtures of SO₂ and SO₂-NaCl Aerosol in Air, Arch. Environ. Hlth. 24:248, 1972.

Bridge, N.P. and M. Corn: Contribution to the Assessment of Exposure of Nonsmokers to Air Pollution from Cigarette and Cigar Smoke in Occupied Spaces, Environ. Res. 5:192, 1972.

Corn, M. and R.T. Cheng: Interactions of SO₂ with Insoluble Particulate Matter, J. Air Poll. Control Assoc. 22:8, 1972.

Corn, M., F. Stein, Y.Y. Hammad, S. Manekshaw, W. Bell, S.J. Penkala and R. Freedman: Physical and Chemical Characteristics of "Respirable" Coal Mine Dust, Annals N.Y. Acad. Sci. 200:7, 1972.

Leadbetter, M.R. and M. Corn: Particle Size Distribution of Rat Lung Residues after Exposure to Fiberglass Clouds, Amer. Ind. Hyg. Assoc. J. 33:511, 1972.

Brown, N.R., M. Corn and E.B. Sansone: Problem Severity Model and Implementation Plan for Occupational Health and Safety, Amer. Ind. Hyg. Assoc. J. 33:813, 1972.

Tomb, T. and M. Corn: Comparison of Equivalent Spherical Volume and Aerodynamic Diameter for Irregularly Shaped Particles, Amer. Ind. Hyg. Assoc. J. 34:13, 1973.

Corn, M.: London Revisited, J. Air Poll. Control Assoc. 23:568, 1973.

Corn, M., F. Stein, Y.Y. Hammad, S. Manekshaw, R. Freedman and A. Hartstein: Physical and Chemical Properties of Respirable Coal Mine Dust from Two U.S. Mines, Amer. Ind. Hyg. Assoc. J. 34:279, 1973.

Corn, M.: Reflections on Trends in Occupational Health in the United States: A Personal View, Annals Occup. Hyg. 16:251, 1973.

PUBLICATIONS

Journal Articles (cont'd)

Benson, J.R. and M. Corn: Costs of Air Cleaning with Electrostatic Precipitators in TVA Steam Power Plants, J. Air Poll. Control Assoc. 24:339, 1974.

Corn, M.: Whither Air Pollution Research, Editorial in J. Air Poll. Control Assoc. 24:635, 1974.

Corn, M. and E.B. Sansone: Determination of Total Suspended Particulate Matter and Airborne Fiber Concentrations at Three Fibrous Glass Manufacturing Facilities, Environ. Res. 8:37, 1974.

Weyel, D., T.C. Lee and M. Corn: Properties of Tantalum Powder Used in Tantalum Bronchography, Invest. Radiol. 9:234, 1974.

Corn, M.: Characteristics of Tobacco Sidestream Smoke and Factors Influencing Its Concentration and Distribution in Occupied Spaces, Scand. J. Resp. Dis., pp. 21-36, Supplement No. 91, Copenhagen, 1974.

Corn, M., R.W. Dunlap, L.A. Goldmuntz and L.H. Rogers: Photo-chemical Oxidants: Sources, Sinks and Strategies, J. Air Poll. Control Assoc. 26:16, 1975.

Corn, M.: Remarks on Determination of Non-compliance with the Respirable Dust Standard, Federal Coal Mine Health and Safety Act of 1969, Amer. Ind. Hyg. Assoc. J. 36:404, 1975.

Assunciao, J. and M. Corn: The Effects of Milling on Diameters and Lengths of Fibrous Glass and Chrysotile Asbestos Fibers, Am. Ind. Hyg. Assoc. J. 38:811, 1975.

Corn, M. and D.A. Weyel: Characteristics of Tantalum Dust and Dust Generator for Bronchography, Invest. Radiol. 10:500, 1975.

Stein, F. and M. Corn: Shape Factors of Narrow Size Range Samples of Respirable Coal Mine Dust, Powder Tech. 13:133-141, 1976.

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Book Reviews - Numerous, but never recorded.

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Other

Corn, M. (Interview): Noise is a Prime Target at OSHA, Occ. Hlth. and Safety pp. 12-18, July/August 1976.

Report to the Secretary of Labor on Status of OSHA as of January 20, 1977 (submitted upon resignation as Assistant Secretary of Labor for Occupational Safety and Health) published in BNA Reporter, January 1977.

Corn, M. (Interview): "Dr. Morton Corn on OSHA", Chem. Time & Trends, p. 11, 1977.

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CURRICULUM VITAE

Morton Corn

Part II

TEACHING

Advisees

Advised more than 250 M.S. students; 22 Doctoral graduates; and several Postdoctoral Trainees.

Departmental Oral Participant - Not recorded.

Preliminary Oral Participant - Not recorded.

Final Oral Participant - Not recorded.

CLASSROOM INSTRUCTION

Primary Instructor

University of Pittsburgh

Introduction to Occupational Health

Industrial Hygiene

Aerosol Technology

Industrial Ventilation

Air Resources Management

Air Pollution Laboratory

Air Pollution Field Studies

Introduction to Biomedical Engineering (introduced as a first offering in this field in the School of Engineering, University of Pittsburgh).

The Johns Hopkins University School of Hygiene and Public Health

Principles of Occupational Safety

Management of Occupational Safety and Health Programs

Environmental Risks and their Control

Seminar in Environmental Health Engineering

Environmental Health (Associate Course Director 1985-89; Director 1990-1995)

Principles of Industrial Hygiene

Lectures in Other Courses - Extensive, but not recorded

CLASSROOM INSTRUCTION

Continuing Education

Course Director or Co-Director

Industrial Hygiene Engineering (5 days, February 1981)
Management of Occupational Safety and Health Programs (3 days, February 1982;
3 days, April 1984)
Fundamentals of Industrial Hygiene (3 days, April 1982)
Fundamentals of Industrial Hygiene (3 days, October 1982)
Fundamentals of Industrial Hygiene (3 days, March 1983) Asbestos (1 day, April 1984)
Introduction to Industrial Hygiene (1 day, November 1984)
Asbestos in Non-Occupational Environments (1 1/2 days, April 1985; March 1986)
Hazardous Wastes (3 days, July 1985)
Industrial Hygiene for Safety Professionals (3 days, October, 1988; 3 days,
October, 1989)
Introduction to Risk Analysis and Risk Management, 1989
Risk Assessment: Principles and Case Studies, (This is also an academic credit
course). Offered 1990-1994.

Participant

Preventive Medicine, April, 1981
Toxicology, April, 1981; May, 1982; April, 1996
Prevention and Surveillance in Industry, 1981-83
Preventive Medicine, April, 1982; April, 1983
Toxicology Update; April, 1987; April, 1988; April, 1989.
Biohazards; July, 1987; July, 1988; July, 1989, 1990; February and August, 1991;
July, 1992-99
Environmental Auditing, 1995

RESEARCH GRANT PARTICIPATION - Numerous, never recorded.

ACADEMIC SERVICE

School Committees

Department of Environmental Health Sciences,
University of Pittsburgh Graduate School of Public Health. Served on the following:

Member, Executive Committee
Member, Safety Committee
Member, Appointments and Promotions Committee
Member, Faculty Benefits and Welfare Committee

ACADEMIC SERVICE

School Committees (cont'd)

Johns Hopkins School of Hygiene and Public Health

Member, Curriculum Committee, 1981, 1982
Chairman, Review and Search Committees for Chairman, Department of Health Services Administration, 1981-82
Member, Ad Hoc Committee on Appointments and Promotions, 1982
Member, Committee on Appointments and Promotions, 1982-87
Member, Chemical Toxicology Safety Committee, 1984-90
President elect, Faculty Senate, 1988-89; President, 1989-90; Past President, 1990-91
Member, Committee of the Whole, 1988-91
Member, Advisory Board, 1988-91
Member, Search Committee for Dean, 1989-90
Chair, Long Range Strategic Planning, Subcommittee on Professional Practice, 1992
Member, MPH Academic Committee, 1993-94; 1994-95, 1995-96

University Committees

Advisory Committee, Materials Research Center, Johns Hopkins University, 1981-85
Member, Advisory Committee, Johns Hopkins University Energy Research Institute, 1982-85
Chairman, Johns Hopkins University Safety Advisory Committee, 1985-90
Member, Committee of the Whole, 1988-91
Member, Advisory Board, 1988-91
Member, Search Committee for President, 1989

PRESENTATIONS

Scientific Meetings

Never recorded - numbers in excess of 100

Invited Presentations/Seminars

Never recorded in total - numbers in excess of 100

Appendix B

Case Specific Material Reviewed

APPENDIX B

Date	Description
1962	Paoli Laboratory Research and Development Report Period of July 1962 through December 1962
1963	Paoli Laboratory Research and Development Report Period of January 1963 through June 1963
1963	Bestwall Gypsum Company Semi-Annual Research and Development Report July 1, 1963 to December 31, 1963
1964	Bestwall Gypsum Company Semi-Annual Research and Development Report Jan. 1 1964 to June 30, 1964
1964	Bestwall Gypsum Company R&D Report for 6 Month Period Ending December 31, 1964
1965	Georgia-Pacific Corporation Bestwall Gypsum Division R&D Report for First 6 Months of 1965
1965	Georgia-Pacific Corporation Bestwall Gypsum Division R&D Report for Last 6 Months of 1965
1966	Research Department Summary Report for First 6 Months of 1966
1966	Research Department Summary Report for Last 6 Months of 1966
1967	Research Department Summary Report for First 6 Months of 1967
1967	Research Department Summary Report for Last 6 Months of 1967
1968	GP Gypsum Research Summary January-June 1968
1968	GP Gypsum Research Summary July-December 1968
1969	GP Gypsum Research Summary January-June 1969
1969	GP Gypsum Research Summary July-December 1969
1970	GP Gypsum Research Summary January-June 1970
1971	GP Gypsum Research Summary June 1970 to January 1971
1971	GP Gypsum Research Summary January-July 1971
1971	GP Gypsum Research Six Month Report July-December 1971 with Added Feature: Ten Years of Gypsum Research
1972	Research and Development Six Month Report January through June 1972
1972	Product Development & Technical Services Six Month Report July through December 1972
1973	Product Development & Technical Services Six Month Report January through June 1973

Date	Description
1973	Product Development & Technical Services Department Six Month Report July through December 1973
1974	Product Development & Technical Services Six Month Report January thru June 1974
1974	Six Months Report Product Development & Technical Service Department July thru December 1974
1974	Collected health evaluations of various employees of Akron, NY Gypsum Plant
1975	Six Months Report Product Development & Technical Service Department January thru June 1975
1975	Six Months Report Product Development & Technical Service Department June thru December 1975
1976	Six Months Report Product Development & Technical Service Department January thru June 1976
1976	Six Months Report Product Development & Technical Service Department June thru December 1976
1977	Six Months Report Product Development & Technical Service Department January thru June 1977
1977	Six Months Report Product Development & Technical Service Department July thru December 1977
1977	Asbestos Free Ready Mix Products brochure
10/20/1959	Bestwall Gypsum Company Specification re: asbestos floats
9/20/1966	Minutes of Safety Committee Meeting
1/2/1967	Memo from Watt to Bartel, attaching 2 documents re: One Day
9/19/1967	Minutes of Safety Committee Meeting
03/19/1968- 03/20/1968	Minutes of the Safety Committee Meeting
5/13/1968	Letter from Schnabel and Morrone at Johns-Manville to Moss re: JM 7RF02 samples
1/24/1969	Memo from Robinson to Brown re: New One Day Joint Compound Formula, attaching New One Day Joint Compound Formula
2/1/1969	OSHA Report: Equipment and Procedures for Mounting Millipore Filters and Counting Asbestos Fibres by Phase Contrast Microscopy
2/6/1969	Memo from Robinson to Winter re: New One Day Joint Compound Formula
3/5/1969	Memo from Lehnert to Richards attaching technology newsletter re: fire rating and handwritten note from John Clark
3/12/1969	Memo from Lehnert to Clark re: High Temperature Surfacing Materials
7/3/1969	Memo from Baitinger to All Field Sales Managers re: Joint Systems Texturing Products, attaching outline of Texturing Products program
5/7/1970	Memo from Wilson to Lehnert re: joint cement
5/18/1970	Memo from Hay to Richards re: One-Day Joint Cement
5/25/1970	Memo from Richards to Hay re: One Day Joint Cement
5/28/1970	Memo from Hay to Richards re: One-Day Joint Cement
5/28/1970	Memo from Meyer to Brooks re: Ready Mix Joint System New Orleans Branch

Date	Description
6/3/1970	Memo from Fatz to Fink re: Lung Research at Mt. Sinai
6/9/1970	Letter from Fink to Rogers re: joint systems
6/11/1970	Memo from Lehnert to Winter re: Competitive Survey
6/17/1970	Memo from Winter to Moss re: Comparison of Seven All Purpose Joint Compounds
6/19/1970	Memo from O'Neill to Meyer re: J-M and Big Horn Bags for Speed Set
6/25/1970	Memo from Winter to various recipients re: Competitive Joint System Products
8/26/1970	Letter from McCarthy at International Talc Co., Inc. to C.W. Lehnert re: sample of International Fibre PL
9/10/1970	Memo from Clark to Meyer re: Joint System Case Goods - Shipping Areas
5/1/1971	United States Gypsum Joint Treatment and Texture Products Price List
5/5/1971	Memo from Meyer to All Regional Gypsum Sales Managers re: United States Gypsum - Durabond XL Joint Compound
5/20/1971	Memo from Lehnert to Meyer re: joint system textures
5/20/1971	Memo from Green to Rauch re: texture formula
7/27/1971	Memo from Fink to various recipients re: MICA-asbestos controls
8/31/1971	Memo from Winter to Moss re: Comparison of Seven All Purpose Joint Compounds
9/3/1971	Job Order Work Sheet: Purchase and install new Joint Cement Manufacturing Equipment
9/8/1971	Memo from Lehnert to Winter re: Evaluation of Competitive All Purpose Joint System
9/15/1971	Letter from Fay of National Gypsum Company to Hunt re: New York seminar
9/21/1971	Memo from L.E. Winter to J.B. Moss re: Supplement to Correspondence dated August 31, 1971 Comparison of All Purpose Compounds
9/24/1971	Letter from Fay of National Gypsum Company to Hunt re: New York seminar
10/5/1971	Memo from Hunt to Lehnert re: please advise
10/7/1971	Memo from Lehnert to Hunt re: asbestos fiber - attaching letter
10/11/1971	Letter from Hunt to Fay re: Lehnert
10/14/1971	Letter from Lehnert to Fay re: seminar information
10/25/1971	Minutes of the Safety Committee Meeting - Chicago, Illinois
10/27/1971 - 10/28/1971	Minutes of the Semiannual Meeting of Gypsum Association - Irvington, Virginia

Date	Description
11/1/1971	Memo from Lehnert to Niebergall re: Expanded Polystyrene Texture
12/1/1971	Article from National Safety News re: OSHA-GRAM
12/17/1971	Memo from Fink to Plant Managers re: OSHA and Federal Safety Act
1/1/1972	National Safety Council's Emergency Standard Promulgated
1/6/1972	Memo from Fink to All Plant Managers re: safety bulletin - OSHA attaching pamphlets
1/20/1972	Memo from Fink to All Plant Managers re: OSHA information
1/24/1972	Memo from Rauch to Hollingsworth re: Federal Occupational Safety and Health Act
2/11/1972	Memo from Fink to All Plant Managers re: OSHA bulletin
3/7/1972	Memo from Hollingsworth to Rauch re: OSHA
3/8/1972	Memo from Fink to All Plant Managers re: OSHA bulletin
3/9/1972	Letter from D. R. Elwing, Secretary of the Safety Commission of Gypsum Association to All Members of the Safety Committee re: asbestos - attaching information
4/5/1972	Minutes of Annual Meeting of Gypsum Association
4/7/1972	Limestone Triple Duty field test and follow-up report
4/25/1972	Letter from Podgorski of U.S. Department of the Interior to Rauch re: Health and Safety Inspection Report - attaching report
4/26/1972	Memo from Roy to All Gypsum Plant Managers re: payment of OSHA fines or penalties
5/1/1972	Article re: OSHA's Proposed Changes and Target Dates
5/10/1972	Memo from Lehnert to Burch re: Limestone Triple Duty
5/15/1972	Letter from Ravins to Shull at Atlantic Mold Corporation, and attached letter, re: Health Hazards in the Arts and Crafts
5/31/1972	Memo from Darmstedter to Lehnert re: Formulation Changes, Plaster, with handwritten notations
6/6/1972	U.S. Asbestos Standard - The Text
6/7/1972	U.S. Asbestos Standards re: § 1910.93(a)
6/26/1972	OSHA Sampling Data Sheet #2 (Revised)
7/5/1972	Letter from Barden at OSHA to Rauch re: OSHA violations
7/6/1972	Memo from Watt to Fink re: Plaster Formulas Possible Hazardous Additives

Date	Description
9/8/1972	Letter from Howard to OSHA re: booklet on asbestos
9/22/1972	Letter from TX State Dept. of Health to Brown attaching ACME survey
10/10/1972	Letter from Linn of Chase Bag Company to Rauch re: joint compound and patching plaster
10/12/1972	Division of Industrial Hygiene Report on Field Investigation
10/12/1972	Letter from Rauch to Linn re: receipt of 10/10/1972 letter
10/17/1972	Letter from Lehnert to Linn re: contents of joint compound and patching plaster
10/25/1972	Memo from O'Neill to Aasen re: Atagel - (Min-u-gel)
10/27/1972	Memo from Rauch to Hollingsworth re: State Noise and Dust Survey - attaching survey results
10/30/1972	Letter from Schaaf of Floridin Company to Aasen re: sample of Minu-U-Gel
11/1/1972	U.S. Department of Health, Education, and Welfare article re: The Counting and Sizing Procedures
11/1/1972	Memo from O'Neill to Richards and Hollingsworth re: asbestos replacement - joint systems - status report
11/1/1972	Memo from Watt to Fowler re: Industrial Plaster Formulas
11/1/1972	Memo from O'Neill to Richards & Hollingsworth re: Asbestos Replacement-Joint Systems-Status Report
11/6/1972	Memo from Aasen to Gettel re: Minu-U-Gel 200 and Min-U-Gel 400
11/6/1972	Memo from Fowler to Lehnert re: Industrial Plaster Quality and Product Development Meeting
11/9/1972	Letter from Russell of H. J. Otten Co. to Sanchez re: bag packer - attaching diagram
11/14/1972	Memo from Lehnert to Aasen re: Firestop Clay
11/16/1972	Letter from Russell of H.J. Otten Co. to Sanchez re: bag packer system
11/20/1972	Memo from Gettel to Lehnert re: asbestos replacement - Acme joint system products
11/27/1972	Memo from Winter to Lehnert re: All Purpose field trial - Oklahoma City
11/27/1972	Letter from Hoekstra to Tretter re: asbestos
11/27/1972	Memo from Wilson to various recipients re: Speed Set
11/29/1972	Memo from Richards to Wilson re: Speed Set
11/29/1972	Memo from Lehnert to various recipients re: Industrial Plaster Quality & Product Development Meeting

Date	Description
11/30/1972	Memo from Lehnert to Wilson re: Speed Set
12/1/1972	Memo from Lehnert to Gershefske re: new All Purpose
12/1/1972	Memo from Winter to Gettel re: shipment of All Purpose
12/5/1972	Memo from Winter to Brooks re: Oklahoma City field try for new ALL Purpose
12/6/1972	Memo from O'Neill to Clark re: asbestos free All Purpose compound
12/8/1972	Union Carbide Corporation report: Airborne Dust Counts for Georgia-Pacific Corporation, Marietta, GA
12/8/1972	Memo from Sanchez to Hammer re: Asbestos Dust Problem – Akron
12/11/1972	Letter from Podgorski of U.S. Department of the Interior to Beaudett re: dust survey
12/29/1972	Union Carbide Corporation report: Asbestos Fiber Counts for Georgia Pacific Corporation, Chicago, Illinois
1/3/1973	Letter from Rauch to Whiteside re: OSHA Citation – Akron
1/10/1973	Memo from Hammer to Hollingsworth re: Dust Collection Equipment for Joint System Plant
2/8/1973	Memo from Fink to various recipients re: asbestos control program attaching OSHA Rules and Regs
2/9/1973	Memo from Rauch to Hollingsworth re: OSHA Inspection – Akron
2/14/1973	Minutes of Ninetieth Meeting of Technical Committee
2/23/1973	Memo from Lehnert to Winter re: All Purpose Trial - Memphis
2/26/1973	Airborne Fiber Counts for Akron
3/19/1973	Letter from Hoekstra to Tretter re: asbestos use at Akron
3/22/1973	Memo from O'Neill to Rauch and Nalbene re: trial batch of asbestos-free Ready-Mix
3/26/1973	Process, Exhaust and Ventilating System Emissions form
3/28/1973	Letter from Turner to Hoekstra re: Asbestos Additive-Joint Cement Products – Akron
4/3/1973	Minutes of the Gypsum Association Manufacturing and Mining Committee
4/4/1973	Minutes of the Annual Meeting of the Gypsum Association
4/5/1973	Minutes of the Gypsum Association Board of Directors Meeting
4/11/1973	Memo from Lehnert to various recipients re: caution labels
4/16/1973	Memo from Rauch to Hollingsworth re: Joint System-asbestos control attaching 4/20/73 letter from Turner to NY Dept. of Labor
4/23/1973	Letter from Lehnert to Rauch re: caution label for Joint Compounds
4/25/1973	Memo from Moss to Aasen re: asbestos caution label
4/26/1973	Memo from Rauch to Hollingsworth re: asbestos hazard control, Akron plant
5/2/1973	Memo from Aasen to Moss re: asbestos caution label
5/7/1973	Memo from Wilson to various recipients re: warning labels for asbestos
5/8/1973	Letter from Aasen to Berven re: cancellation of bag order
5/10/1973	Memo from Rauch to Lehnert re: warning labels for asbestos

Date	Description
5/14/1973	Memo from Lehnert to Rauch re: warning labels for asbestos
5/16/1973	Memo from Poole to Hollingsworth re: Akron Chest X-Rays
5/18/1973	Memo from Rauch to Hollingsworth re: OSHA Inspection - Akron, New York Plant
5/25/1973	Memo from Gettel to Brown re: Asbestos Caution Labels
6/11/1973	Letter from Carlsen to Bd of Directors of Gypsum Assoc. re: Asbestos in joint treatment compound attaching OSHA rules and regs
6/13/1973	OSHA Citations at Akron plant
6/18/1973	Memo from Rauch to Hollingsworth re: OSHA Inspections - Akron, N.Y. Plant, attaching
6/19/1973	Memo from Lehnert to Woodsmall re: Asbestos Fiber in Joint Compounds
6/19/1973	Memo from Wilson to Rauch re: OSHA Inspection
6/20/1973	Requisition for dust sample analysis by Buffalo Testing Laboratories
6/20/1973	Memo from Moss to various recipients re: Asbestos Regulations, attaching Emission Standards Compliance form and Federal Register excerpts
6/21/1973	Memo from Rauch to Hollingsworth re: OSHA Inspection - Akron, N.Y. Plant
6/21/1973	Memo from Wilson to Carlsen
6/21/1973	Memo from Rauch to All Akron Employees re: OSHA regs
6/29/1973	Memo from Lehnert to Burch re: information bulletin on asbestos fiber attaching draft letter to field sales
7/1/1973	Joint System Information Bulletin to GP personnel
7/1973	Collected reports from Genesee Memorial Hospital Association Department of Radiology dated 7/12/1973 through 7/19/1973 regarding pulmonary function tests
7/1973	Collected reports from Genesee Memorial Hospital Association Department of Radiology dated 7/12/1973 through 7/24/1973 regarding pulmonary function tests
7/5/1973	Letter from Rauch to Barden of OSHA re: confirmation of informal hearing results (Akron)
7/5/1973	Letter from Barden to Rauch re: response to Rauch's 7/5/1973 letter
7/6/1973	Letter from Carlsen of Gypsum Association to all members of the technical committee re: asbestos in joint compound
7/9/1973	Memo from Rauch to Hollingsworth re: OSHA citation of June 13, 1973
7/9/1973	Memo from Corkill to Allison re: trial with new Ready-Mix formula
7/9/1973	Telex from Winter to Gettel re: Ready-Mix and Speed Set
7/10/1973	Letter from US Dept. of Labor to Rauch attaching amended citations
7/10/1973	Letter from Rogers of the Gypsum Association to all Members of the Manufacturing & Mining Committee re: asbestos in joint treatment compound
7/12/1973	GP Request for Check re: OSHA penalty
7/18/1973	Memo from Hammer to Hollingsworth re: Akron J.O. #1568 dust collection equipment for joint system plant
7/18/1973	Letter from Turner to Whiteside of OSHA re: OSHA Citation - Akron joint cement plant - attaching job order work sheet and authorization for expenditure

Date	Description
7/18/1973	Job Order Work Sheet: Dust Collection System for Joint System Packer, Enclose Mixing Hopper, Install Hood over Bag Bailer, Enclose Dust Collector Discharge Area, and Floor Vacuum Sweeper, attaching Authorization for Expenditure and letter from Turner to Whiteside at OSHA re: OSHA Citation
7/18/1973	Memo from Hammer to Hollingsworth re: Akron J.O. # 1568, Dust Collection Equipment for Joint System Plant
7/19/1973	GP Purchase Order to Solo Motors, Inc. re: packard sweeper
7/20/1973	Letter from Rauch to Simon re: joint system plant
7/21/1973	Weekly Report of Inbound Shipments
7/23/1973	Memo from Nalbene to Lehnert re: field trials July 11-13, 1973
7/23/1973	Memo from Gettel to Lehnert re: field test report - Detroit
7/23/1973	Various dust sample count sheets
7/25/1973	Sample of dust asbestos fiber count by Buffalo Testing Laboratories sent to Rauch
7/25/1973	Requisition form for sample of dust
7/25/1973	GP purchase order to Genesee Memorial Hospital Assn. for x-rays and pulmonary function tests
7/25/1973	GP purchase order to American Allsafe Co. Inc. for coveralls and footguards
7/25/1973	GP Purchase Order to Buffalo Testing Laboratories for samples of dust for asbestos fiber count per OSHA
7/26/1973	Earland E. Harvey, P.E. Dust Systems Report
7/27/1973	Letter from Rauch to Whiteside at OSHA re: OSHA Citation - CSHO No. P-1568, Akron, New York Joint System Plant
7/30/1973	Memo from Rauch to Hollingsworth re: OSHA citation as revised 7/10/73
8/1/1973	Joint System Information Bulletin to GP personnel
8/1/1973	Article: "Threshold Limit Values for 1973"
8/1/1973	Memo from Hollingsworth to various recipients re: Asbestos Dust, attaching memo from Rauch to Hollingsworth dated 7/30/1973 re: OSHA Citation as Revised 7-10-73
8/2/1973	GP purchase order to Wheeling Corrugating Co. re: galvanized corrugated sheets
8/3/1973	Memo from Rauch to Tuttle re: Asbestos - Akron, NY
8/6/1973	Letter from Turner to Johns re: Bag Packer Collection System - Akron plant attaching forms and drawings
8/6/1973	Application for Approval of Exhaust System Plan submitted to New York Department of Labor, Division of Industrial Hygiene, attaching Environmental Analysis Report
8/6/1973	Application to Construct or Modify a Source of Air Contamination submitted to New York State Department of Environmental Conservation, Air Resources Management Program, attaching various supporting forms and reports
8/7/1973	Report entitled "Prevention from Exposure to Asbestos Fibers," attaching excerpts from Federal Register
8/8/1973	GP Purchase Order to Genesee Memorial Hospital Association for chest x-ray and pulmonary function test
8/10/1973	Memo from Winter to Brooks re: Ready-Mix Houston formula
8/14/1973	Telex from Winter to Milt re: asbestos free Triple Duty

Date	Description
8/14/1973	Memo from O'Neill to Lehnert re: Gypsum Association Special Committee on Joint Compound Hazards First Meeting - attaching agenda
8/14/1973	NY Department of Labor Letter re: submission of plans
8/14/1973	Memo from O'Neill to Lehnert re: Gypsum Association Special Committee on Joint Compound Hazards First Meeting Held in Chicago on August 8, 1973, attaching agenda
8/15/1973	Memo from Lehnert re: asbestos fibers
8/15/1973	GP purchase order to St. Regis Paper Co. re: cardboard boxes for asbestos waste
8/17/1973	Letter from Turner to Johns re: Fan System #9, Akron plant
8/17/1973	Memo from Wilson to various recipients re: asbestos fibers
8/20/1973	Telex from Corkill to Winter re: answer to 8/14/73 telex
8/20/1973	Invoice from Buffalo Testing Laboratories to Schifferle at GP for asbestos analysis
8/21/1973	Telex from Lehnert to Rauch re: Syracuse trial for non-asbestos Ready-Mix and telex from Gettel to Darmstadter re: formula for asbestos free Casein
8/21/1973	Telex from Rauch to Lehnert re: asbestos free Topping
8/21/1973	Telex from Winter to Corkill re: asbestos free Triple Duty
8/21/1973	Buffalo Testing Laboratories results
8/21/1973	Memo from Tuttle to Rauch re: Asbestos - Your letter of August 3rd, attaching memo from Rauch to Tuttle dated 8/3/1973
8/21/1973	Letter from Kvetkosky at Buffalo Testing Laboratories to Schifferle at GP re: test results
8/22/1973	Memo from Wilson to various recipients re: Dow Chemical
8/22/1973	Handwritten memo from Corkill to Aasen re: Akron
8/24/1973	Memo from Corkill to Lehnert re: Asbestos Free Joint Cement Program
8/25/1973	Requisition sheet re: galvanized corrugated sheets
8/28/1973	Letter from Earland E. Harvey, P.E. to Turner re: drawings for Wheelabrator Dust System, attaching letter dated 8/28/1973 from Harvey to Rauch re: drawings for Wheelabrator Dust System
9/4/1973	Letter from Rauch to Whiteside of OSHA re: OSHA citation at Akron plant
9/5/1973	Letter from Turner to Harvey re: Wheelabrator Dust System Joint Cement Manufacturing - Akron
9/6/1973	Memo from Fink to Brown and Palmowski re: control program - asbestos
9/7/1973	Telex from Brooks to Corkill re: joint system complaints - Memphis
9/11/1973	Letter from Kimbel of The N.J. Zinc Co. to Aasen re: availability of Horse Head XX-4 Zinc Oxide
9/12/1973	Letter from Harvey to GP re: Bag Packer and Wheelabrator Dust System
9/13/1973	Telex from Winter to Corkill re: samples
9/13/1973	Telex from Winter to Corkill re: Triple Duty in Denver
9/13/1973	Telex from Winter to Brooks re: Memphis joint compound complaint
9/13/1973	Handwritten memo re: asbestos free All Purpose (Memphis)
9/14/1973	Memo from Winter to Brooks re: All Purpose (Lafayette Branch)
9/14/1973	Letter from Hoekstra at Erie County Health Department to Rauch re: results of inspection

Date	Description
9/17/1973	Memo from Brooks to Winter re: Lafayette Branch
9/17/1973	Memo from Brooks to Corkill re: All Purpose (Lafayette Branch)
9/17/1973	Letter from Rauch to Hoekstra at Erie County Health Department Air Pollution Control Division re: compliance with inspection
9/18/1973	H.J. Otten Co, Inc. invoice
9/18/1973	Memo from Aasen to Lehnert re: zinc oxide
9/18/1973	Letter from Russell at H.J. Otten Co., Inc. to Rauch re: order for Bag Packer Dust Collecting System, attaching invoice
9/20/1973	Memo from Winter to Gettel re: Central Mix - Albuquerque
9/20/1973	Memo from Brooks to Winter re: All Purpose (Ronnie Breaux)
9/20/1973	Memo from Nalbone to Lehnert re: field test report, Pittsburgh
9/21/1973	Memo from Brooks to Corkill re: All Purpose (Lafayette Branch)
9/26/1973	Memo from Gettel to Nalbone re: asbestos free formulas
9/26/1973	Letter from Fejta to Johns of NY Dep't of Labor re: Bag Packer Dust Collection System - attaching drawings and forms
9/27/1973	Handwritten memo from Corkill to Lehnert re: fyi
9/27/1973	Letter from Carlsen of Gypsum Association to the Special Committee on Joint Treatment Compound re: scheduling of meeting
9/27/1973	Memo from Fink to Brown and Palmowski re: Asbestos Hazard Control, attaching OSHA correspondence and standards and handwritten notes
9/27/1973	Letter from Carlsen of the Gypsum Association to the Special Committee on Joint Treatment Compound re: results of Clayton Study
9/28/1973	Telex from Winter to Corkill re: asbestos free Triple Duty
9/28/1973	Telex from Lloyd to Milt re: asbestos free Triple Duty
9/28/1973	Memo from Corkill to Lehnert and Gettel re: information
9/28/1973	Telex from Petraline to Rauch and Kaboos re: converting regions to asbestos free at Akron plant
10/1/1973	Letter from Rauch to Whiteside of OSHA re: OSHA citation at Akron plant
10/1/1973	Letter from Rauch to Whiteside of OSHA re: OSHA Citation No. P-1568 at Akron, New York Joint System Plant
10/1/1973	Memo from Rauch to Hollingsworth re: OSHA Asbestos Reinspection
10/2/1973	Handwritten memo re: request for asbestos survey
10/2/1973	Memo from Nalbone to Lehnert re: Asbestos Free Joint Compound
10/3/1973	Telex from Aasen to Rauch and telex from Nalbone to Aasen re: eliminating warnings
10/3/1973	Letter from Aasen to Berven of Bemis Co. re: deleting warning from Topping bags for Akron plant
10/3/1973	Letter from Whiteside of OSHA to Rauch re: results of survey - attaching results
10/3/1973	Letter from Aasen to Nissen of Olinkraft Inc. re: deletion of warnings from joint system bags for Akron plant
10/4/1973	Memo to Corkill re: asbestos-free All Purpose
10/4/1973	Memo from Favero to Wilson re: OSHA inspection
10/5/1973	Memo from Fink to various recipients re: Troyson CMP-10-Sep, Data Sheet
10/10/1973	Memo from Hoekstra, Director of Erie County Health Department to Tretter re: permit to construct and certified environmental rating
10/12/1973	Memo from Lehnert to Nalbone re: asbestos free joint compound

Date	Description
10/16/1973	Letter from Tretter to Willard of IL Environmental Protection Agency re: EPA violations
10/16/1973	New York Notice of Plan Approval
10/17/1973	New York Notice of Plan Approval
10/25/1973	Memo from Hoesktra, Director of Erie County Health Department to Vincent Tretter re: permit to construct
11/1/1973	Letter from Rauch to Whiteside of OSHA re: follow up on OSHA citation at Akron plant
11/1/1973	Letter from Fejta to Standard re: Bag Packer Dust Collection System - attaching forms
11/1/1973	Report of Special Task Force on Joint Treatment Compound
11/2/1973	Letter from Fejta to Standard, Air Pollution Inspector, re: BPA-217-73 Bag Packer Dust Collection System - Akron, New York Joint Cement Plant - Fan System No. 10, attaching supporting forms
11/6/1973	Letter from McEachern of Strong-Lite Products, Inc. to Lehnert re: asbestos substitute
11/16/1973	Memo from Nalbene to Lehnert re: asbestos free material
11/19/1973	Letter from Russell to Rauch re: Fan System #9
11/19/1973	Gypsum Association article re: "Evaluation of Exposure to Asbestos During Mixing and Sanding of Joint Compounds"
11/19/1973	Letter from Rauch to Whiteside at OSHA re: OSHA Citation - CSHO No. P-1568, Akron, New York Joint System
11/26/1973	Letter from Whiteside at OSHA to Rauch re: latest sample results
11/30/1973	Letter from Abnee of Gypsum Association to All Members of the Gypsum Association re: copy of minutes of October 1973 semiannual meeting
11/30/1973	Letter from Rauch to Whiteside of OSHA re: OSHA Citation No. P-1568 at Akron, New York Joint System Plant
12/6/1973	Memo from Brooks to Corkill re: Ready-Mix - Houston Formula
12/7/1973	Memo from Rauch to Hollingsworth re: plant inspections
12/20/1973	Memo from Palmowski to Lehnert re: asbestos replacements
2/8/1974	Memo from Rauch to Hollingsworth re: OSHA Asbestos Re-inspection attaching 2/6/74 letter from Whiteside to Rauch enclosing list of asbestos dust samplers
3/13/1974	Asbestos Abatement Program Guidelines (Gypsum Association Safety Committee)
3/26/1974	Letter from Whiteside to Rauch
4/26/1974	Article from Painters Distributors Council re: OSHA warns about drywall spackling
4/26/1974	Memo from McCallister to Ryder re: Akron chest x-rays and ventilation study attaching report on employee examinations
5/10/1974	Telefax from Fink to Brown and Palmowski re: labels on cartons of ready mix
5/17/1974	Memo from Burch to Wilson re: asbestos-JT cement products attaching article from Walls & Ceilings
5/20/1974	Memo from Wilson to Hollingsworth to Richards re: OSHA regulations - joint cement
5/24/1974	Memo from Burch to All Gypsum Sales Managers re: joint cement products
6/4/1974	Memo from Burch to Corkill re: warning labels - joint cement products

Date	Description
6/6/1974	Memo from Burch to Withycombe and Neibergall attaching copies of new caution labels
6/7/1974	Memo from Hurd to Nalbone re: Asbestos Caution Labels
6/10/1974	Memo from Lehnert to Sing re: Asbestos Caution Labels
6/14/1974	Letter from Brenner to All Plant Managers re: guidelines for compliance with OSHA standards attaching copy of Guidelines prepared by Safety Committee of the Gypsum Association
6/25/1974	OSHA Standards Compliance Procedures
6/25/1974	GP, Gypsum Division, Safety Procedure – subject: Asbestos
7/1/1974	Memo from McCallister to Ryder re: Akron-asbestos programs
7/3/1974	Letter from TX State Dept. of Health to Sing attaching Industrial Hygiene Survey for Acme
7/11/1974	Memo from Howard Schutte to Ed Sing re: Asbestos Monitoring
8/15/1974	Union Carbide Corporation report: Airborne Fiber Counts for Georgia Pacific Corp. Milford, VA
8/16/1974	Letter from Kleber at Union Carbide Corporation to Scharf re: report of air sampling
10/9/1974	Memo from Ryder to McCallister re: Akron, NY – Asbestos Exposure Report
10/11/1974	Letter from Sherwin-Williams to Model Cities Painting Co. re: warning label on Joint Compound
10/11/1974	Memo from Schultz/Lamberton to Corkill re: ready mix joint compound
10/24/1974	Telex from Rauch to Hurd re: Asbestos in Joint Compound
10/29/1974	Memo from Darmstedter to Watt re: Wollastinite Formulas
11/21/1974	Letter from Kleber to Favero re: report of asbestos fiber count, attaching Union Carbide Corporation report: Airborne Fiber Counts for Georgia-Pacific Corporation, Marietta, Georgia
1/17/1975	Technical Report No. 167, Investigation No.1, Progress Report No.1: Competitive Joint Cement Products, with two attached charts
2/26/1975	Memo from Corkill to Burch re: caution labels
3/11/1975	Chicago Joint Cement Plant Airborne Asbestos Dust Survey - attaching memo and survey
3/13/1975	Akron Joint Cement Plant Airborne Asbestos Dust Survey
3/25/1975	Memo from Green to Weibel re: Airborne Asbestos Survey at Akron Joint Cement Plant, attaching summaries of data and various asbestos count record sheets
4/1/1975	Letter from Ravins to Dr. Carnow, Director of Occupational & Environmental Mediums at the University of Illinois re: article entitled "Health Hazards in the Arts and Crafts"
4/8/1975	Marietta Airborne Asbestos Survey - attaching memo and survey
5/7/1975	Milford Joint Cement Plant Airborne Asbestos Dust Survey - attaching memo and survey
7/10/1975	Memo re: sell from inventory
7/31/1975	OSHA violation report for Marietta
8/15/1975	Article re: "Exposure to Asbestos in the Use of Consumer Spackling, Patching, and Taping Compounds"
8/21/1975	Memo from Corkill to Hollingsworth re: asbestos-free ready mix
8/27/1975	Telex from Fowler to Corkill re: complaints about Asbestos Free Ready Mix

Date	Description
8/29/1975	Evening Times article: "Spackling may harbor dangerous asbestos level"
10/2/1975	Memo from Aasen to Lehnert re: Asbestos status report
10/15/1975	Memo from Corkill to Hurd re: Asbestos
10/16/1975	Memo from Burch to Corkill re: Asbestos
10/17/1975	Airborne Asbestos Survey at Marietta Joint Cement Plant with attachments regarding October 23, 1975 dust count
10/23/1975	Memo from Wilson to various recipients re: asbestos
10/23/1975	Airborne Asbestos Survey Akron Joint Cement Plant
10/24/1975	Memo from Green to various recipients re: Proposed Rules Changes – Occupational Exposure to Asbestos
11/12/1975	OSHA Notice of proposed penalty to Marietta
11/14/1975	Memo from Corkill to Fowler re: asbestos-free bag goods
11/17/1975	Memo from Brooks to Corkill re: Asbestos Free Ready Mix
12/11/1975	Technical Report No. 167, Investigation No. 1, Progress Report No. 2: Competitive Survey Ready Mix Joint Cement Products, with attachments
1/28/1976	Letter from Aasen to Cordano Chemical Co. re: unwanted JM asbestos received at Milford attaching purchase order and invoices
2/1976	Brochure: Do-It-Yourself Wall & Ceiling Texture
2/4/1976	Memo from Lehnert to Wilson re: OSHA asbestos regulations - attaching suggested field testing
3/30/1976	Telex from Lehnert to Fowler re: asbestos free products
4/2/1976	Memo from Favero to Hollingsworth re: Asbestos-Free Ready Mix
4/5/1976	Chicago Joint Cement Plant Airborne Asbestos Dust Survey
4/9/1976	Marietta Joint Cement Plant Airborne Asbestos Dust Survey
4/12/1976	Memo from Corkill to Burch re: Asbestos Free Ready-Mix - Marietta, attaching article and 2 memos regarding elimination of asbestos
4/12/1976	Marietta Joint Cement Plant Airborne Asbestos Dust Survey
4/13/1976	Memo from Corkill to Lehnert re: Asbestos attaching Article from Newsletter from Gypsum Services Corp. entitled, "Asbestos: Dangers in Sanding"
4/15/1976	Marietta Joint Cement Plant Airborne Asbestos Dust Survey
5/11/1976	Airborne Asbestos Fiber Sampling worksheet for Akron plant, Ready Mix Wet Mixes
5/11/1976	Akron Joint Cement Plant Airborne Asbestos Dust Survey
5/13/1976	Memo from Hurd to Wilson re: Asbestos Standards
5/17/1976	Memo from Wilson to C.W. Lehnert re: asbestos standards
5/17/1976	Milford Joint Cement Plant Airborne Asbestos Dust Survey
5/18/1976	Memo from Lehnert to O. E. Burch re: asbestos standards
5/20/1976	Memo from Lehnert to various recipients re: one-gallon pails
6/24/1976	Letter from Corkill to All Plant Managers re: Asbestos
8/18/1976	Memo from Wilson to various recipients re: joint cement products
9/1/1976	Letter from Mereness of the Asbestos Information Association to Byington, Chairman of the Consumer Product Safety Commission re: Petition of Natural Resources Defense Counsel, Inc., and the Consumers Union of U.S.A., Inc., for the Promulgation of a Rule Declaring Certain Patching Compounds to be Banned Hazardous Substances attaching comments

Date	Description
11/8/1976	Technical Report No. 173, Investigation No.1, Progress Report No.1: Textures - Competitive Survey, with attached texture charts
11/9/1976	Technical Report No. 167, Investigation No. 2, Progress Report No.1: Competitive Survey Asbestos Free Ready Mix Joint Cement, with attached chart and analyses of competitive products
12/14/1976	Memo from Wilson to various recipients re: 1977 Managers' Meeting, attaching agenda and handwritten meeting notes
6/24/1976	Memo from Baitinger to Branch Managers re: OSHA Regulations Regarding Asbestos in Joint Compounds
1/12/1977	Memo from Lehnert to Palmowski re: Asbestos Free Ready Mix
1/14/1977	Letter from Burningham to GP re: ready mix joint compound containing asbestos
1/21/1977	Letter from Burch to Burningham responding to 1/14/77 letter
1/25/1977	Memo from Hurd to Corkill re: Construction Standards and Interps.
1/27/1977	Memo from Hurd to various recipients re: Gypsum Division Industrial Accident Statistical Data Report for 1976, with attachments showing statistics and temporary employees
2/3/1977	Letter from Windsor Minerals to Gettel enclosing articles entitled, "Asbestos: Still Some Problems"
2/8/1977	Memo from Felty to Lehnert re: Ready Mix Figures
2/10/1977	Memo from Wilson to various recipients re: Asbestos Free Ready-Mix
2/11/1977	Memo from Baitinger to Branch Managers re: OSHA Regulations Regarding Asbestos in Joint Compounds
2/11/1977	Memo from Corkill to various recipients re: OSHA Regulations Regarding Asbestos in Joint Compounds
2/11/1977	Memo from Lehnert to Fowler re: Asbestos Free Ready Mix
2/14/1977	Memo from Harmon to Hollingsworth re: Non Asbestos Ready Mix
2/15/1977	Memo from Ryder to Weibel re: Annual Examinations - Asbestos Workers 29 CFR Section 1910.93(j)(3)
2/15/1977	Memo from Corkill to Lehnert re: Asbestos Free Casein
2/17/1977	Memo from Brooks to Branch Managers re: Asbestos Free Joint System
3/2/1977	Memo from Corkill to Lehnert re: Ready-Mix Topping
3/3/1977	Memo from Corkill to Lehnert re: Proposed Federal Standard for Joint Compounds & Tape
3/3/1977	Memo from Lehnert to Corkill re: Ready Mix Topping
3/4/1977	Memo from Favero to Corkill re: Ready Mix Topping
3/8/1977	Memo from Corkill to Favero re: Ready Mix Topping
3/10/1977	Memo from Corkill to Lehnert re: Asbestos
3/10/1977	Telex from Brooks to Corkill re: Marek Bros. Asbestos Free Ready Mix
3/11/1977	Telex from Corkill to Brown re: Asbestos Free 4-gallon Ready-Mix
3/11/1977	Telex from Brooks to Allison re: Asbestos Free Ready Mix
3/14/1977	Handwritten notes re: customer feedback on asbestos free formula
3/17/1977	GP Invoice for wallboard, sheathing, lumber, and joint compound
3/18/1977	Telex from Gettel to Palmowski and Reece re: Asbestos Free Casein Formula
3/22/1977	Telex from Corkill to Tierney re: Asbestos Free Ready Mix
3/23/1977	Telex from Corkill to Tierney re: Asbestos Free Ready Mix
3/24/1977	Memo from Spear to Gettel re: Asbestos Free Ready-Mix
3/28/1977	Telex from Lehnert to Fowler re: coordination of trials

Date	Description
3/29/1977	Memo from Gettel to Harmon re: Milford Competitive Ready Mix Survey
3/30/1977	Message Memorandum from Corkill to Schanz re: status of casein asbestos free trials
3/30/1977	Telex from Corkill to Schanz re: status of casein asbestos free trials
3/30/1977	Telex from Fowler to Green re: talc order
3/30/1977	Technical Report No. 167, Investigation No. 2, Progress Report No. 2: Competitive Survey Asbestos Free Ready Mix Joint Cement Products
3/31/1977	Memo from Reece to Hollingsworth re: Joint System Weekly Quality Reports Week Ending 3-31-77
4/8/1977	Memo from Gettel to Aasen re: Raw Materials for Asbestos Free Ready-Mix
4/21/1977	Memo from Lehnert to Wilson re: ratio of asbestos/asbestos free joint compound shipments – first quarter 1977
4/28/1977	Chicago Joint Cement Plant Airborne Asbestos Dust Survey
4/28/1977	Telex from Hollingsworth to various recipients re: Ban by Consumer Products Safety Commission
4/28/1977	Telex from Corkill to various recipients re: Ban by CPSC
4/28/1977	Letter from Wilson re: CPSC Ban of Asbestos in Joint Compound
4/29/1977	Article re: asbestos ban in Dallas Morning News
4/29/1977	Telex from Lehnert to various recipients re: application of asbestos free label with example attached
4/29/1977	Telex from Dennison to All Branch Managers re: sales to commercial users
5/2/1977	Telex from Corkill to Regional Gypsum Managers re: phase out by consumer products safety commission
5/2/1977	Telex from Hollingsworth to various recipients re: temporary reprieve on ban of asbestos in wall and ceiling products
5/3/1977	Telex from Brooks to Branch Managers re: Consumer Products Safety Commission – phase out
5/3/1977	Telex from Hollingsworth to various recipients re: stopping the manufacturing of products containing asbestos
5/6/1977	Letter from Union Carbide to Aasen re: CPSC ban
5/11/1977	Telex from Hollingsworth to various recipients re: Akron's current inventory of unsold ready mix with asbestos
5/19/1977	Letter from US Congress to Chairman of US Consumer Products Safety Commission
5/20/1977	Letter from Hurd to Udavcak (customer) re: response to his letter 5/13/77
5/20/1977	Memo from Spear to Hollingsworth re: Asbestos-free ready mix
5/23/1977	US Government memo from Jacobson to Shacter re: commission briefing on proposed ban of patching compounds and artificial fireplace log ashes containing asbestos
5/23/1977	Telex from Fowler to various recipients re: acceptance of asbestos free mix in the SE region market
5/23/1977	Bill of Lading at Acme, TX
6/2/1977	Memo from Lehnert to Withycombe re: information furnished to Consumer Product Safety Commission
6/2/1977	U.S. Government memo from Duffy to Clay re: medical comment on asbestos problem

Date	Description
6/2/1977	U.S. Government memo from Thompson to Hehir re: literature review and analysis of asbestos attaching literature and bibliography
6/2/1977	Memo from Corkill to Lehnert re: Seattle/Tacoma market - Ready-Mix
6/3/1977	U.S. Government memo from Porter and Kirkpatrick to Hehir re: difficulties associated with testing for asbestos in consumer products
6/3/1977	U.S. Government memo from Bayard to Clay re: risk of respiratory cancer due to low level exposure to asbestos from spackling and joint compound
6/3/1977	U.S. Government memo from Hehir to Clay re: engineering and sciences directorate asbestos tasks
6/3/1977	U.S. Government memo from Orzel to Clay attaching toxicological/medical input for proposed Federal Register Notice on Asbestos
6/6/1977	Memo Lehnert to Godfrey and Burch re: Consumer Product Safety Commission
6/6/1977	U.S. Government memo from Shacter to The Commission re: asbestos information
6/7/1977	Memo to Spear from Fowler re: viscosity checks -attaching same
6/10/1977	Memo from Lehnert to Withycombe re: Consumer Product Safety Commission
6/10/1977	Telex from Fowler to Lehnert re: market trends
6/13/1977	Telex from Fowler to Lehnert re: asbestos-free Ready-Mix complaints
6/14/1977	Telex from Gettel to Favero re: change in Ready-Mix filler
6/14/1977	Telex from Fowler to Lehnert and Gettel re: galactasol
6/17/1977	Memo from Burch to Lehnert re: asbestos free joint compounds
6/21/1977	Telex from Spear to Gettel re: asbestos free Ready-Mix
6/21/1977	Letter from Aasen to Byrne of UCC re: removal of asbestos inventory
6/21/1977	Memo from Wilson to Mitchell re: Consumer Product Safety Commission - Asbestos
7/5/1977	Telex from Francis to Palmowski re: trial formula
7/6/1977	Letter from Wilson to Byington of the Chairman of the CPSC re: asbestos - spackling compound
7/20/1977	Telex from Fowler to Francis re: Marietta formula change
7/28/1977	Federal Register notice of public meeting re: home insulation petition
8/1/1977	Letter from Dr. Venning to GP re: chemical breakdown Ready-Mix Joint Compound
8/2/1977	Telex from Francis to Brown re: trial batch of All Purpose for Memphis
8/3/1977	Telex from Francis to Brown re: 8/2/77 telex charge
8/3/1977	Memo from Brooks to Corkill re: Houston branch asbestos free Ready-Mix - attaching telex regarding same
8/3/1977	Letter from Wilson to Dennison re: joint cement
8/8/1977	Telex from Corkill to Brooks re: sample credit
8/10/1977	Letter from Aasen to Byrne of UCC re: return of asbestos from Marietta plant
8/10/1977	Memo from McCoy to Brooks re: disposing of asbestos-containing joint system products - Oklahoma City
8/10/1977	Telex from Brooks to Baitinger re: Oklahoma City asbestos-containing Ready-Mix
8/10/1977	Telex from Corkill to various recipients re: Baitinger's 8/4/77 telex

Date	Description
8/11/1977	Telex from Corkill to various recipients re: joint compounds containing asbestos
8/11/1977	Telex from Brooks to Corkill re: asbestos type JT system
8/12/1977	Telex from Baitinger to various recipients re: selling joint treatment products containing asbestos
8/15/1977	Letter from Hurd to Venning re: chemical breakdown of GP Ready-Mix joint compound
8/15/1977	Telex from Brooks to Copenhagen re: selling asbestos type ready mix to contractors
9/28/1977	Letter from Aasen to Cullinan of Monsey Products Co. re: sales of asbestos
10/24/1977	Letter from Aasen to Byrne of UCC re: credit memo -attaching credit memo
11/21/1977	Letter from Brackett of the Gypsum Association to Lehnert re: Consumer Products Safety Commission's study of patching plaster and proposed ban
11/29/1977	Letter from Aasen to Byrne of UCC re: payment for returned asbestos
12/5/1977	Memo from Brooks to Corkill re: Asbestos attaching Proko letter
12/12/1977	Memo from Corkill to Brooks re: asbestos in joint system products - attaching information form the Consumer Products Safety Commission
12/15/1977	Excerpt from Federal Register, Vol. 2, NO. 241
12/27/1977	Letter from Rogers of the Gypsum Association to all members of the Manufacturing & Mining Committee re: Consumer Products Safety Commission's final rules for patching compounds
1/3/1978	Letter from Lehnert to Ott of PPG Industries, Inc. re: cessation of manufacture of all asbestos-containing products
1/13/1978	Memo from Ravins to various recipients re: Asbestos
1/13/1978	Memo from Corkill to various recipients re: Asbestos
3/31/1978	Memo from Baitinger to Branch Managers re: joint systems products - attaching letter to be given to customers and a form re: ban
5/10/1978	Memo from Bridges to Baitinger re: Joint Systems Products attaching various memos re: customer notification of ban
6/22/1978	Memo from Dennison to Wilson re: joint compound
6/26/1978	Memo from Wilson to various recipients re: joint compound
3/1/1979	Hearing Conservation Manual
4/16/1979	Letter from Lehnert to C. Edward Ware, Architect, re: asbestos content of Bestex
9/13/1979	Letter from Zombres, Director Physical Plant at Illinois Valley Community College, to Ware re: report on asbestos in buildings
9/18/1979	Memo from Lehnert to C. Edward Ware, Architect, re: Bestex C
9/25/1979	Letter from Lehnert to Illinois Valley Community College re: asbestos content of Bestex
5/1/1987	G-P Asbestos Safety Manual
8/1/1992	Formaldehyde Rule (APM-323)
4/1/1993	Hearing Conservation Manual
4/2/2003	Asbestos Timetables: A Guide for Policymakers, by Dr. Richard A. Lemen
9/1/2003	Respiratory Protection Program (APM-352)
10/14/2003	Deposition of Lehnert in Szabo (TX)
2/24/2005	Trial on the Merits: Lemen in Bostic (TX)

Date	Description
2/28/2005	Trial on the Merits: Lemen in Bostic (TX)
3/1/2005	Trial on the Merits: Longo in Bostic (TX)
3/2/2005	Trial on the Merits: Longo, Lehnert in Bostic (TX)
3/9/2005	Trial on the Merits: Burch in Bostic (TX)
3/10/2005	Trial on the Merits: Burch in Bostic (TX)
5/12/2005	Deposition of Lehnert in King (IL)
5/13/2005	Deposition of Lehnert in King (IL)
5/16/2005	Deposition of Lehnert in King (IL)
5/17/2005	Deposition of Lehnert in King (IL)
5/23/2005	Deposition of Longo in TX MDL
6/3/2005	Deposition of Lemen in TX MDL
11/17/2005	Deposition of Burch in TX MDL
11/18/2005	Deposition of Burch in TX MDL
2/14/2006	2005 Benchmark Survey (Pulp and Paper Safety Association)
7/11/2006	Blood-borne Pathogens Compliance Standard (26 pages)
7/11/2006	Asbestos Compliance Standard (83 pages)
7/11/2006	Formaldehyde Compliance Standard (23 pages)
7/11/2006	Fall Prevention and Protection Compliance Standard (16 pages)
7/11/2006	Exposure Assessment Compliance Standard (16 pages)
7/11/2006	Electrical Safe Work Practices and Installation Standard (65 Pages)
7/11/2006	Lockout / Tagout Standard (35 Pages)
7/11/2006	Line Breaking / Equipment Opening Standard (21 pages)
7/11/2006	Lead Based Paint Employee Exposure Assessment Compliance Standard (23 pages)
7/11/2006	Hot Work Permit Compliance Standard (21 pages)
7/11/2006	Noise and Hearing Compliance Standard (15 pages)
7/11/2006	Hazard Communication Compliance Standard (23 pages)
7/11/2006	Respiratory Protection Compliance Standard (45 pages)
7/11/2006	Non-Ionizing Radiation Safety Compliance Standard (189 pages)
7/11/2006	Confined Space Entry Compliance Standard (36 pages + e-mail)
7/12/2006	Emergency Preparedness (email)
7/13/2006	Contractor Environmental, Safety and Health Compliance Standard (66 pages)
7/20/2006	Deposition of Burch in TX MDL
10/27/1971 - 10/28/1971	Minutes of the Semiannual Meeting of Gypsum Association - Irvington, Virginia
5/1/1972-6/1/1972	Article re: Target Health Hazards Asbestos: Airborne Danger
8/??/1973	Letter from Baliff at New York Department of Labor, Division of Industrial Hygiene, to Turner re: exhaust system plans for Akron, N.Y.
9/11-13/1973	Evaluation of Exposure to Siliceous Dust During Mixing and Sanding of Joint Compounds (Gypsum Association)
9/1976 – 8/1981	G-P Accident Prevention Manual
9/27/1973	Memo from Fink to Brown and Palmowski re: Asbestos Hazard Control
April, 1972	Chart showing status of jobs at Acme plant
Jul-73 - Aug-73	Sample and Count Sheets
NA	"Global Health and Safety" (PPT)
ND	Report of Special Task Force on Joint Treatment Compound

Date	Description
ND	Letter from Carlsen of Gypsum Association to Gafford of The Celotex Corporation and enclosure re: The Clayton Reports on Sanding of Joint Treatment Compound
ND	Guidelines for Compliance with OSHA Asbestos Standards (Gypsum Association Safety Committee)
ND	Bestwall Hummer System brochure
ND	List of Products Containing Asbestos
ND	Specification re: asbestos SG 210
ND	U.S. Department of Labor Notice of Proposed Rulemaking re: 29 CFR 1910 - 1001
ND	Threshold Limit Values of Airborne Contaminants adopted by the ACGIH for 1969
ND	National Emissions Standards for Hazardous Air Pollutants Compliance Status Information
ND	Various excerpts of articles re: asbestos
ND	Letter from Beeston of U.S. Department of Labor to Employers using asbestos re: asbestos hazard control attaching materials about developing an asbestos hazard control program
ND	Handwritten memo re: inspection of state health department
ND	Handwritten memo re: asbestos control program
ND	National Emissions Standards for Hazardous Air Pollutants Compliance Status Information
ND	GP Group Insurance Benefits
ND	Collected Analyses of Various Competitive Products, Samples # 1-28, including those manufactured by GP and other companies
ND	Memo from Lehnert to Burch re: Information Bulletin on Asbestos Fiber (illeg.), attaching proposed letter to field sales concerning asbestos fiber in joint system products
ND	Multi-Step Abatement outline, attaching OSHA citations, notification of proposed penalty, and letter from Whiteside at OSHA to Rauch re: amended citations
ND	Research "U.S. Asbestos Standard – The Text"
ND	Gypsum Wallboard Application Instructions Booklet Assessments Requirement Chart Georgia-Pacific Responses to Master Set of Interrogatories
3/5/2007	Plaintiff Eunice Taylor's Responses to Defendants' Master Set of Interrogatories, Taylor v. Georgia Pacific Corp., Civil Action No. 2007-EV-001878D (Ga. State Ct. Mar. 5, 2007); with Exhibits A-E
3/5/2007	Plaintiff Eunice Taylor's Responses to Defendants' Master Set of Requests for Production, Taylor v. Georgia Pacific Corp., Civil Action No. 2007-EV-001878D (Ga. State Ct. Mar. 5, 2007); with Exhibits B-E
3/21/2007	Answer of Defendant Georgia-Pacific LLC, Taylor v. Georgia-Pacific Corp., Civil Action No. 2007EV001878D (Ga. State Ct. Mar. 21, 2007)
2/8/2007	Complaint for Damages, Taylor v. Georgia-Pacific Corp. (Ga. State Ct. Feb. 8, 2007)
7/19/2007	Transcript of Deposition of Cathy Taylor Carr, Taylor v. Georgia Pacific Corp., Civil Action No. 2007ev001878 (Ga. State Ct. July 19, 2007)

Date	Description
5/31/2007	Transcript of Deposition of Eunice Taylor, Taylor v. Georgia Pacific Corp., Civil Action No. 2007ev001878 (Ga. State Ct. May 31, 2007)
5/24/2007	Transcript of Deposition of Eunice Taylor, Taylor v. Georgia Pacific Corp., Civil Action No. 2007ev001878 (Ga. State Ct. May 24, 2007)
7/18/2007	Transcript of Deposition of John Taylor, Volume 1 (July 18, 2007)
7/19/2007	Transcript of Deposition of John Taylor, Volume 2 (July 19, 2007)