

File Name Customer Visits: GAF, Bendix, Anaconda

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Contents agenda, report, minutes

Notes

AGENDA

ENVIRONMENTAL HEALTH PRESENTATION
TO BENDIX CORPORATION EXECUTIVES
SOUTHFIELD, MICHIGAN - AUGUST 8, 1972

10279C

I. INTRODUCTIONS

H. G. DONOVAN
Product Marketing Manager
Asbestos Fibre Division

A. Introduction of Johns-Manville personnel

II. MEDICAL ASPECTS OF
ASBESTOS/HEALTH

GEORGE W. WRIGHT, M.D.
Director of Medical Research
St. Luke's Hospital
Cleveland, Ohio

Medical Consultant to J-M.

III. OSHA REGULATIONS

H. M. JACKSON
Director of Employee Relations

E. M. FENNER
Director of Environmental Control

IV. CUSTOMER RELATIONS

W. L. VAN DERBEEK
Vice President, Mining and
Canadian Products Divisions

V. IMPACT OF OSHA REGULATIONS
ON ASBESTOS MANUFACTURING
USE

H. B. MORENO
Vice President, Industrial Products

C. L. STAKE
Production Manager, Industrial
Divisions

VI. PUBLIC RELATIONS ASPECTS
OF ASBESTOS/HEALTH

F. J. SOLON, JR.
Vice President
Corporate Relations

VII. Q & A

G. W. Wright, M.D.

1. Biological effect in humans and experimental animals.
2. Is the biological experience the same in all types of commercial operations:

Mining and Milling

Canada - Italy - Russia - South Africa

Textiles - Asbestos Cement - Building Materials -
Friction Materials
Insulation trades

3. Reasons for variations observed in "2" (above)

Kinds of fiber:

Chemistry - geometry and size $\begin{array}{l} \text{short} \quad \text{thick} \\ \hline \text{long} \quad \text{thin} \end{array}$

Dose:

Generated - Inhaled - Destroyed - Retained

Location of fibers:

Brønchi - Alveoli - Pleura

Co-Factors:

Cigarettes - Trace Metal - Other

4. Risk to employees in BL manufacturing

Chrysotile - size of fiber - dose $\begin{array}{l} \text{McDonald} \\ \text{Enterline} \end{array}$ data - OSHA

5. Risk to Public from BL use

General Public

Garages

Fate of Fiber

Animal Experiments

102797

DIQ - Asbestos Fiber Sales
August 15, 1972

W. W. Hendry

cc: W. L. Vanderbeek
J. R. Hutchenson
F. J. Solon, Jr.
H. B. Moreno
C. L. Stake
E. M. Fenner
H. Jackson

BENDIX CORPORATION
SOUTHFIELD, MICHIGAN
ASBESTOS HEALTH SEMINAR 8/8/72

A seminar on Asbestos Health was held at the Executive Offices of the subject company on the above date. The format is attached, as is the list of Bendix attendees. This presentation can form the basis for future J-M presentations on A/H as well as for the A.I.A. regional seminars now being planned.

Our presentation was very well received, and from the Chief Operating Officer on down, all Bendix personnel expressed their appreciation and acknowledged that the information presented is of considerable help to them.

During our visit we had an opportunity to hold meetings with B.B. Burton, J. Armstrong, H. Stolar and C. Menz. These occurred at dinner, breakfast, and lunch as well as immediately before and after the seminar.

Questions were as follows:

1. Cost per employee to meet OSHA TVL Requirements
 - a) of 5 fiber/cc (Arthur D. Little Study estimate \$1,600/employee)
 - b) of 2 fibers/cc (estimate \$2,800/employee)
2. Accuracy of Tests for fiber content in air
(our answer $\pm$ 20-25% at TLV of 5)
3. How is brake lining dust disposed of
(Resulted in general discussion covering pelletizing, land fill, etc.).
4. Questions by Heitman to Dr. Wright during presentation were answered by Wright's total presentation. An example was risk on grinding linings in garages.

Answer: Do not blow dust off brakes. Use vacuum.

5. Any time limit an employee can be on a job that is hazardous and do we rotate people on such jobs.

Answer: No, we correct the problem so that the hazard is controlled.

6. Can technological approach work in controlling problems?

Answer: We do the following

- a. reduce forming and finishing by technical changes.
- b. educate personnel to reduce costs and work better
- c. work towards least expensive solution. Ex use of wet or damp resin mix.

7. Have we been cited by OSHA.

Answer: Yes

8. How do we handle OSHA Requirement to notify individual employees of stations that are hazardous?

Answer: (1) Post on bulletin board results of station surveys that are over limit, (2) advise what is being done to correct.

9. Any value in taking your own dust counts side by side with OSHA Inspector?

Answer: We try to take simultaneous samples.

10. Does #9 help in getting more cooperation from OSHA?

Answer: We really can't tell any difference. Bendix has tried this and where it was done no citations so far from OSHA.

11. General questions on air samplers and pumps.

a. How many do we have

Answer: 100

b. Cost

Answer: \$150/pump (note we do have some Bendix pumps)

\$ 50/charger

12. How do you secure Industrial hygienists, what type of man and how much training.

Answer: (1) Secure man with 2 yr. college or college grad. (4 yrs.). Train in house. Takes 6 months for man to become fully operative.

13. How many do you have.

Answer: 20 full time

14. If glass fiber lodges in lung, what damage.

Answer:

a. glass has almost no effect vs. asbestos

b. However, there is some evidence that very thin glass (micro-fibers) can cause a problem. Still under investigation.

c. some coatings have been found to render glass inert in the lung.

d. if we could determine the method of coating particles or fiber similar to the natural method in the lung (by iron & protein) problem would be solved. Work going on in an attempt to do this. PVNP (Polyvinyl N Pyridene) works on some silicates and quartz). On quartz PVNP destroys free bond present on quartz surface.

15. With advent of OSHA have we found any marked increase in compensation claims.

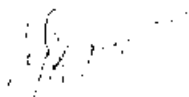
Answer: No great increase

16. How do you comply with requirements on including employees in Environmental Control Committees.

Answer: We've done this for years in our employee safety committees - just changed the group's name. This is an excellent employee communication media.

I discussed the possibility of our securing business at the Cleveland Plant with Harry Stolar and Charlie Menz. They were encouraging and I will pursue it through our contacts.

I talked with Bob Burton on August 13 and discussed it with him. He said there was some discussion at the top level on this. I expect our visit will pay dividends. Will keep you informed.



H. G. Donovan

Attachments:

1. Attendees From the
Bendix Corporation
2. Agenda
3. Health Aspects of Exposure
by Inhalation of Asbestos Fiber

*extra file
copy*

AFD DHQ Asbestos
February 1, 1972

J.R.M. Hutcheson

VISIT TO GAF CORPORATION, HYDE PARK, VERMONT

This past Monday, January 31st, J. O. Eby and I visited the GAF Mine at Hyde Park. We went there to discuss the proposed EPA regulations and also to assess the operation. They were very courteous and fairly open in answering questions.

PRODUCTION

Their production in 1971 was:

	2,000 - 3,000 tons	Group IV
	20,000 - 21,000 tons	Groups V and VI
	23,000	tons Group VII
TOTAL	46,000	tons

They have been on a five-day week since early December, 1971 but expect to produce approximately the same tonnage of fibre in 1972.

They mine 1 million tons of ore per year with an average recovery of 4.6%.

MINING

They have two main pits which we visited and three smaller ones. To date their hauls have been very short, for both ore and waste, and usually with the grade in favour of the load. Their w/o ratio in recent years has been 1:1, or a little higher. They are forecasting $\frac{1}{2}$:1 for 1972, and $\frac{1}{4}$:1 or less for the next few years.

Pits and roads were in extremely good shape and the pit mining seemed reasonably efficient. They quoted a cost of 52 cents per ton for all mining, plus primary and the first wet stage of secondary crushing. For equipment they have four electric shovels - approximately 3 cubic yard size, three 35-ton trucks with one 22-ton stand-by, and a

J.R.M. Hutcheson
Visit to GAF

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Reich drill.

I was told that the main pit adjacent to the plant was engineered another 100 feet in depth and assuming this to be solid ore they have about 4 million tons - or four years' ore supply in this area, with little or no waste removal. I would guess there is probably the same amount of ore developed in the other pit.

MILLING

The ore is crushed through a jaw crusher, and a Symons Cone and put on a wet ore stockpile with a reclaim tunnel and two draw points. They did say that they had much trouble with freezing during the winter months. The ore then goes to two horizontal dryers which have no dust control, then to another stage of cone crushing, plus impacting with J-M fiberizers and Simplificitiys.

Despite the fact that we thought they had made some effort to clean up the mill for our visit it was a real jackpot. Tailings are conveyed from the mill by conveyor with three stackers operating around the top of the pile.

This past year extra rock screening capacity was put in for low grade ore - less than 3.5%. They were rather embarrassed as since the installation of this screening they have not been able to find any low grade ore.

ENVIRONMENTAL CONTROL

We discussed the proposed EPA regulations with the GAF people and they said if these regulations were strictly enforced as proposed they would probably go out of business. They have estimated very roughly that it will cost \$250,000 to put dust control on the dryers and tailings transfer points. I think this figure looks low. They have installed a Pulsaire collector on one of the tailings transfer points and it seemed to be doing a good job.

While we were in the office a quote was received in the mail from J-M to diagnose and recommend corrective action for environmental control. It was for \$30,000 and staggered them no end. They were visited this past September by the U.S. Bureau of Mines personnel from

J.R.M. Hutcheson

Visit to GAF

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Denver who took dust counts with an impinger, and said they were still using the old standard of particles per cubic foot. They received these counts in December and said they were not as bad as they had expected. They have had several citations from the State of Vermont but at the present time are not planning to spend any large amounts of money. They are in a depressed area and are counting on State lobbying to help them out.

R.E. Sampson

ccs
file / C

A.F.D. ASBESTOS
June 2, 1972

J.R.M. Hutcheson
N.W. Hendry
J.O. Eby
R.E. Sampson
J.M. Fletcher
D.L. Monroe
R.W. Winson
A.R. Dennis

C.A. Greenlay
R.B. Gresham
J.M. Gauthier
G.A. Campbell
E.B. McKenna
E. Stevens
M.D. Webb
L.J. Gagne
D. Carlin

G.A.F. VISIT
Thursday June 8, 1972

GAF scheduled a Plant Managers meeting in Montreal during the week of June 5th and they would like to visit Jeffrey mine on Thursday, June 8th.

Their interest is thought to centre on dust control methods and air sampling techniques.

Attached are copies of the proposed program and a list of the visitors who will represent GAF.

You are invited to attend both lunch and dinner and the discussion sessions.


D.P.R. SMYTH

c.c. G. Voracek
H.G. Donovan
D.P.R. Smyth
File

PROGRAM

GAF VISIT June 8, 1972

9:30 - 10 a.m.	Visitors arrive by car from Montreal - coffee
10:00 - 11:00 a.m.	Pit Tour - J.O. Eby - Transportation & Guides
11:00 - 12:00	Conference Room Industrial Hygiene Eng. Services - Jack Garber, Skip Lindsay Jeffrey Dust Control Program - Ray Gresham Air Testing Equipment - Ed Stevens
12:00 - 12:30	Iroquois Club Demonstration Dust Control Equipment - Ed Stevens
12:30 - 1:00 p.m.	Cocktails
1:00 - 2:00 p.m.	Lunch
2:00 - 4:00 p.m.	Mill Tour - Guides Briefing by Glen Campbell
4:00 - 5:00 p.m.	Conference Room Questions and Answers
5:00 - 6:15 p.m.	Golf Club - Cocktails
6:30 - 8:00 p.m.	Dinner at Iroquois Club
8:00 p.m. (?)	Visitors depart for Montreal

GAF VISIT

June 8, 1972

GAF Personnel

Bob VanBuren	- Director of Mfg., Floor Covering Division
Leo Faneuf	- Director of Mfg., Building Products Division
Ed Kirkley	- Division (Floor Products) Comptroller
John Cahill	- Mgr. of Product Services (Floor Products)
Don Berg	- Mgr. of Planning & Development (Floor Products)
Frank Guistiani	- Mgr. of Mfg. Services (Floor Products)
Paul Lasley	- Plant Manager, Whitehall, Pa.
Elliot Briscoe	- Plant Manager, Long Beach, Calif.
Harry Andrews	- Plant Manager, Houston, Texas
Leo Sands	- Plant Manager, Vails Gate, N.Y.
Ray Gunchin	- Plant Manager, Joliet, Ill.

J-M Visitors

Mike Donovan	- Product Marketing Manager
Jack Garber	- Manager Industrial Hygiene Services
Murray Lindsay	- Sales Engineer, Industrial Hygiene Services

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THE ANACONDA COMPANY

1849 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
(801) 521-7520

Office of the Director
of Mining Research

February 28, 1972

MR. J. M. Fletcher
General Manager
Canadian Johns Manville
Box 1500
Asbestos, Quebec,
CANADA

Dear Mr. Fletcher:

Reference your telephone message of the 28th: the following personnel will be arriving Asbestos March 7, 1972:

Mr. Dave Piper, Director Operations Engineering & Planning
Mr. Dan P. Griffin, Chief Project Engineer
Mr. P. J. G. du Toit, Director Mining Research
Mr. T. M. Kilroy, Assistant to the General Superintendent,
Berkeley Pit
Mr. D. K. Gill, Manager of Planning
Mr. B. A. Kennedy, Senior Mining Research Engineer

At the present time, it is not positive that Mr. Don Gill will make the trip but we would like to proceed on the assumption that he will. Should we find out differently, we will notify you in ample time.

Sincerely yours,

B. A. Kennedy
Bruce A. KENNEDY
Senior Mining Research Engineer

BAK:ws
cc: P. J. G. du Toit

Jeffrey Mine
March 6, 1972

R.E. Sampson
D.L. Monroe
D.F. Morton
R.G. Evans
J.G. Richard

VISIT OF ANACONDA COMPANY RESEARCH GROUP

The following group from Anaconda Company have arranged to visit with us on Tuesday evening and Wednesday - March 7th and 8th:

Messrs. P.J.G. du Toit	- Director Mining Research - Butte, Montana
Dave Piper	- Director Operations Engineering & Planning - Butte
Don P. Griffin	- Chief Project Engineer - Butte
T.M. Kilroy	- Assistant to the General Superintendent - Berkeley Pit
Bruce Kennedy	- Sr. Mining Research Engineer - Butte
Don Gill	Manager of Planning - Twin Buttes

You are invited to dinner at the Iroquois Club at 6 p.m. Tuesday evening - and lunch on the 7th.

Details are sketchy but I believe they plan to see the Pit on Wednesday morning and then have a round table of trucking, slopes, etc. following the visit.

R.G. Gresham

cc: J.M. Fletcher
J.D. Eby
file
C
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AFD HQ Asbestos
March 3, 1972

ANACONDA VISITORS - MARCH 7 - 8th, 1972

Dave Piper	- Director Operations Research, Engineering and Planning Butte, Montana
Don Griffin	- Chief Project Engineer Butte
P.J.C. Dutoit	- Director of Mining Research Butte
Tom Kilroy	- Assistant to the General Superintendent Berkley
Bruce Kennedy	- Sr. Mining Research Engineer Butte
Don Gill	- Manager of Planning Twin Buttes

J.R. Fletcher

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VOR
RBE
DFM
RGA
VGR