REPORT OF CALL

PLAINTIFF'S EXHIBIT
UC-928

for
W. C. Thurber
J. E. Walsh
KC-File
NF-File

Calidria

UNION CARBIDE CORPORATION

P.O. Box 579 Niagara Falls, N.Y. 14302

By J. L. Myers
T. P. Norris

Date 8-12-73

Full Name OWENS/CORNING FIBERGLAS Address Fiberglas Tower Toledo, Ohio Mfrs. of	Interviewed K. N. Warner, Research Chemist, Granville, Ohio G. E. Devitt, Industrial Hygiene

This meeting was held at Mr. Devitt's request so that OCF could respond to customers inquiries regarding their continued use of asbestos contained products.

Mr. Devitt is extremely knowledgeable about asbestos & the OSHA regulations as OCF had at one time used large amounts of asbestos in a grade of insulating panels. This grade has since been reformulated and the only other known uses of asbestos is a paint applied to the backs of Fiberglas panels to serve as sound deadeners. These grades are 4T1, 6D1 and 7RF1. Contact will be made with Granville for evaluations of our products.

Mr. Devitt is primarily concerned with the counting of asbestos fibers once the polyester panels are cut, ground, sanded, abraided etc, how to distinguish between the asbestos fibers and other fibrous materials, and whether or not any real concern is justified. John Myers informed him of the work currently being done and the proposed paper by our Dr. Forgeng. Mr. Devitt expressed a keen desire to have a personal visit with Dr. Forgeng and this meeting is scheduled for the week of 9-10-73.

OCF's business at Anderson & Valpariso is healthy, it appears that Anderson will have a banner year, and Valpariso is developing to a T/L of RG 244 each month.

There are no major problems, the minor problem area at Anderson re; settling & plugging of filters appears to have been solved with the changing of dyes.

REPORT OF CALL

Calidria ASBESTOS

T. P. Norris
W. C. Thurber
J. E. Walsh
KC-File
NF-File
P. W. McDaniel
W.D.Forgeng/G.M.Faulring

UNION CARBIDE CORPORATION
P.O. Box 579 Niagara Falls, N.Y. 14302

By H. B. Rhodes

Date 9/11/73

Full Name Owens-Corning Fiberglas	Interviewed
Address	Gerry Devitt - (Ind. Hyg.)
Mfrs. of	

OBJECTIVE

Mr. Devitt, the chief industrial hygienist for OCF, visited Niagara Falls at his request to discuss asbestos identification techniques.

OBSERVATIONS

The new OCF polyester plant at Valpariso, Indiana has begun to use RG-244 in the same formulations that have been manufactured at Anderson, S.C. for the past several years. This has raised questions from both their manufacturing and marketing people re asbestos toxicology.

Mr. Devitt, the chief industrial hygienist for OCF, had reviewed the situation, looked at our data, considered the low concentration in the resin and concluded:

1. That they did not need a warning label on their resin.

2. The RG-244 could be handled safely in the plant with reasonable care.

His boss, a M.D., and the head of their industrial hygiene department, did not disagree with the conclusions but wanted him to collect some data to be sure they were on safe ground. Their problem can be defined as follows:

1. They wanted to obtain a reasonably accurate estimate of the airborne asbestos fiber level in the dust generated by the abrasion of a polyester laminate containing ~20% glass and ~0.5% RG-244.

2. When a large enough dust sample was collected to give a reasonable possibility that asbestos fiber might be present, the filter was so heavily loaded with resin and glass fiber dust it was uncountable.

3. The procedure needed only to be scientifically sound and defensible, not the OSHA procedure.

We met with Dr. Forgeng and Mrs. Faulring and reviewed the various staining, optical, and electron probe techniques they have applied to this type of measurement. It was suggested by one of our experts that the sample collected on the millipore filter be treated with an emersion oil having the same refractive index as the resin. The sample would then be examined under polarized, transmitted light. The resin and glass would be essentially invisible under these conditions while the birefringent asbestos would flash in a series of colors. A quick preliminary test indicated the approach was practical. Mr. Devitt seemed quite pleased and they will try to apply it to their problem.

ADDED NOTES

Mr. Devitt serves on the same ASTM committee as Paul McDaniel. This committee is engaged in rewriting the OSHA fiber count procedure.

He mentioned that they have been told unofficially by OSHA that they (OSHA) are thinking in terms of a 1 fiber/cc. TWA as the cutoff point for physical exams. There is no chance of getting this in writing. It is suggested that we be very careful what we say in this area for the present.

He also mentioned that contacts at NIOSH have told him that they are moving away from the use of advisory committees. Such committees are not mandatory and it is claimed that they generate more controversy than help. There is also a move in NIOSH to contract out the writing of criteria documents to private consulting firms.

RECOMMENDED ACTION

REB/TPN Suggest you follow up with Mr. Devitt in a week or so to see how he is progressing. We would also be interested in any fiber count results they come up with.

Typed 9/17/73
cjb

REPORT OF CALL

Calidria ASBESTOS

A. G. Butler - Charlotte
T. P. Norris - Chicago
H. B. Rhodes - Niagara Falls
W. C. Thurber - NY 38
KC Files
NF Files

UNION CARBIDE CORPORATION
P.O. Box 579 Niagara Falls, N.Y. 14302

By J. E. Walsh

Date 10/26/73

Full Name	Owens Corning Fiberglass	Interviewed	Grady Kaye - Purchasing Agent Dick Karpic - Tech. Service
Address	Anderson, S. C.		
Mfrs. of	Polyester Resins		

Call made on monthly truckload user of 244 in polyester resins and to check with Karpic on the Holman project.

All's well with 244, which is not so true of the other raw materials they purchase, Kaye advised. The Valpariso, Indiana plant is taking more and more of a load off the Anderson production and Grady mentioned that there was a possibility that they might not want the monthly truckloads they have been using during November and December. It isn't certain as yet, and he advised that he could be in as usual. Told him we had the material in Atlanta to cover his needs if he wanted it. It apparently is a two-month experiment they may want to run to see just how much Valpariso can make running flat out and is not a result of any business lost to competition. Purchasing has just completed their 5 year raw material requirements plan and Anderson sales for 244 in '74 are projected to be about 80M lbs. '75 sales are pegged at 80-85M lbs.

PTN I found out a few additional particulars from Karpic on the Holman project (see previous ROC on Holman and OCF) which may help when you go into Granville. Holman still has the original equipment for the project in a new building at his construction office in Anderson. The building here is barbed wire fenced and Holman uses it to do his own testing work and for display to other potential buyers should OCF not pick up the option. The Granville people involved with the project are Clay Poole, Manager--Reinforced Product Development; Jerry Clark, Project Manager; and George Smock, Chemist. Karpic says the best bet would be to start with Smock as he probably is the most versed on what is going on. Asbestos, about two months ago, was removed from the formulation due to some OSHA concerns OCF had, but after trying several substitutes that didn't do the job, they decided to put it back again and stick with it. The Granville people are well into their testing and may now be in the stage of building the production equipment to make the product. The asbestos volume would be substantial as the formula, I believe, calls for about 8-10%, and OCF projects the fiberglass requirements would be between 2-3 million pounds a year. I'll continue to keep in touch here. Let me know if I can help any from this end.

ACB Glad to here you're calling here again. Maybe we can get together for a joint call sometime. Sorry to hear you got mugged in Rock Hill.

JEW/cs
Typed: 10/31/73

REPORT OF CALL

Calidria ASBESTOS

T. P. Norris
W. C. Thurber
J. E. Walsh
KC-File ✓
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UNION CARBIDE CORPORATION
P.O. Box 579 Niagara Falls, N.Y. 14302

DEC 6 1974

By H. B. Rhodes

Date 11/11 & 11/18/74

Full Name	Owens Coring Fiberglass Fiberglass Tower-12	Interviewed	
Address	Toledo, OH 43659	Mr. Mike Grotke	
Mfrs. of	Polyester Resin	(Telecon)	419-259-2197

OBJECTIVE

Respond to customer's question regarding their need to register as a "Source" under the EPA regulations.

OBSERVATIONS

OCF is thinking of using RG-244 at a new location in Washington State. Mr. Grotke recalled that we had mentioned the possibility that they needed to register when the EPA standards were first published and wanted to discuss the situation.

After reviewing the regulations, I told him that the wording on "Source" definition and "Modification" left some room for interpretation but there was very little doubt that the EPA would take the position that they should register. It was also pointed out that as long as there were no other visible emissions from the building where the RG-244 is used there should be no difficulty in registering as in compliance.

They are thinking along the same lines and are preparing to register for all three locations. Told him we would be interested to know how things work out and he agreed to let me know.

ACTION

TPN Mike Grotke is a key man in continued success with RG-244 at OCF who has just been transferred to Toledo. He is a contact you should get to know but is a hard man to catch. Suggest you and J.E.W. discuss the best way to handle him.

typed 12/2/74
mlv

REPORT OF CALL

Calidria asbestos

RECEIVED
FEB 3 1975
UCC - CALIDRIA

cc for T. P. Norris
W. C. Thurber
J. E. Walsh
KC-File ✓
NF-File

UNION CARBIDE CORPORATION
P.O. Box 579 Niagara Falls, N.Y. 14302

By H. B. Rhodes

Date 1/24/75

Full Name	Owens Coring Fiberglas Fiberglas Tower-12	Interviewed	
Address	Toledo, OH 43659		Mr. Mike Grotke
Mfrs. of	Polyester Resin		

OBJECTIVE

Check on situation regarding registration of their three plants with EPA as asbestos "sources" as per our conversation of mid-November.

OBSERVATIONS

Mr. Grothhe reported that they are in the process of registering but he did not know exactly where the papers stood. They had arranged to have their consultants check out their atmospheric discharge to get the information needed for the registration forms.

They are not using asbestos at the Washington State plant until registration is completed. The plant is just starting up.

RECOMMENDED ACTION

HBR Check with Grothe about 2/28 regarding progress.

typed 1/30/75
mlv

REPORT OF CALL

Save

Calidria asbestos

r: R. E. Byrne - Niagara Falls
T. P. Norris - Chicago
W. C. Thurber - NY 38
KC Files
NF Files ✓

UNION CARBIDE CORPORATION
P.O. Box 579 Niagara Falls, N.Y. 14302

By J. E. Walsh

Date 5-29-75

Full Name Owens-Corning Fiberglass	Interviewed
Address Anderson, S. C.	Neil Layton, Production Manager Grady Kage, Purchasing Agent Dick Karpic, Polyester Tech Service
Mfrs. of Polyester Resins	

Call made on truckload user of RG-244.

Space is at such a premium now, Grady said, that they have had to farm out storage of our half truckload shipments to a local commercial warehouse. There is a money crunch going on within OCF, and any expansion requests for storage space have a low priority. Reviewed again the savings involved by shipping a car from California to Anderson with a stop off at Valpariso. It looks like the savings would pay for their extra warehousing costs, but Grady wasn't too keen on the idea. He said he would rather get a car indirect than mess around with stop offs. The prediction around the plant is that by August they should be back to about a truckload a month again, and would look at the carload savings at that time. Checked with Layton to see if all was OK, and he advised that they had noted quite a pick up in gel coat business lately, which doesn't do us much good as it is X thixed. Neil also said that they had completed the switching around on resin production between Valpariso and Anderson, and this plant will be making more 244-containing resins than in the past six months as Valpariso is now making enough product to operate in the black. Dick Lenick, the QC man here, is now downtown in the engineering building. Asked if they had an air monitoring done lately on 244, and Neil advised that they have it done every six months by an outside firm. Discussed our February 1 booklet on 244 and OSHA, and a copy of it was given to him, as he felt it could answer questions that came up from time to time from their customers. The polyester work force is back to a full staff now, as layoffs occurred late last year and it has only been the last 60 days that they have been staffed as they were a year ago. Spoke with Karpic re the Holman project, and he advised that OCF did not renew the option at its January expiration because of the lack of funds available for new business. Dick claims that OCF is still very much interested in the project, as everything they have seen and tested confirms that it is a feasible project, but the lack of funds has made them take a pass on it.

Saw

METALS DIVISION

CUSTOMER CALL REPORT

CUSTOMER & LOCATION Owens Corning, Conroe, Texas

INDUSTRY CLASSIFICATION FRP specialties

SALESMAN J. E. Walsh REGION Southern DATE OF CALL 5-1-78

PRODUCTS DISCUSSED:

Cr	Mn	Spec.	Si	CaC_2	W	V	Asb.
☐	☐	☐	☐	☐	☐	☐	☒

Other:

PERSONS INTERVIEWED: Lou Pinard, Engineer

CALL OBJECTIVE: Call made following up on toxicology discussion and info sent to Pinard by H. B. Rhodes.

RESULTS OF CALL: Another Tom Anderson at Dow referral who recommended us for the Derakane they use in hand lay up. This large operation makes underground gasoline storage tanks for gas stations and although I didn't get in the plant Pinard said it was the most highly automated in the industry. After getting our blue book and digesting the info Pinard said he saw no reason for concern about a health hazard and forwarded the information to Lou Farr his boss in Toledo, Ohio for an approval to try 244. According to Pinard, Farr brought the approval request to their corporate safety people who gave it an emphatic no even though their Anderson, S. C. plant was using it at the time to thix their resins. According to Pinard it is a dead issue now and only a change in stance by their Toledo safety people can revive interest in looking at it at this location.

FOLLOW-UP ACTION REQUIRED:

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CUSTOMER CALL REPORT

OWENS/CORNING FIBERGLASS

CUSTOMER & LOCATION St. Helens, OR — INDUSTRY CLASSIFICATION Fiberglass Panels

SALESMAN T. P. Norris — REGION Western — DATE OF CALL 7/17/79

ASBESTOS HEALTH & REGULATORY DOCUMENTS PROVIDED:

- ☐ MSDS
- ☐ Health & OSHA Information Blue Book
- ☐ Dust Count Report
- ☐ Other, specify below

PERSONS INTERVIEWED: Issaic Ruarboy – Chemist

CALL OBJECTIVE: Routine

RESULTS OF CALL: This plant was purchased by Owens from Kaiser Gypsum in Dec. '78. The original intent was to have them formulate their paint coating with one of our RA grades but we learned that their GRANVILLE, OHIO labs were working on switching their production line to make Mineral Wool panels. This could be an opportunity for us to have those labs evaluate HPP in their initial lab work with Mineral Wool.

FOLLOW-UP ACTION REQUIRED: We should again Contact Granville, OH and attempt to locate the proper person or department responsible for this work.

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