CALL REPORT

Date: May 25, 1971

Customer visited: Matsushita Denki Sangyo K.K.

Persons interviewed: Mr. T. Misaki, Tech.Mgr.
Mr. M. Fukai, Tech. S

Visitors: M. Arasaki, Yokkaichi Research
T. Katayama: Business Division III
T. Amano : Osaka Branch

1. Objectives

Mr. Misaki visited the U.S. early in May to investigate positions of their condensers exported to the U.S., and also of environmental problems of PCB. During his stay he visited MC in St. Louis by the arrangement of Mr. Katayama.

On that occasion Monsanto staffs including Mr. P.G. Benignus released information about environmental problems of PCB and MCS-1016 as indicated by Mr. Benignus' report. On May 10, 1971.

As for us MMK, there is an established policy of not publicising MCS-1016 at this stage and the release of the information to Matsushita is important.

As a conclusion reached at our Production Meeting held on May 22, it was decided to call on Mr. Misaki to hear from him about the situations in the U.S. and also to introduce MCS-1016 officially to him to a certain extent.

2. Conclusions

Mr. Misaki gathered information in MC as summarized in the following.

MC is very enthusiastic in solving PCB problems. They have developed substitutes such as MCS-1016 and 1043 which are free from environmental problems. They are running biodegradation tests on a large scale.

So far as the electrical equipment manufacturers Mr. Misaki visited in U.S. were concerned, they did not appear to be paying so much attention to PCB problems.

Since MC let Mr. Misaki know about MCS 1016 considerably in detail, MMK released information about MCS-1016 officially to Matsushita for the first time.

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Namely we told them that MCS-1016 had not proved itself to be a decisive product to solve environmental problems but a promising candidate. We also told him that we had received manufacturing know-how and that in course of several months time, we should be able to get ready for the manufacture. We also told them we had not decided to start the manufacture.

2. Detail

(1) Places Mr. Misaki visited in the U.S.

Early in May Mr. Misaki accompanied by Mr. Terasaki who had been stationing in New York, called General Office of MC in St. Louis and Dr. Munch's Lab in Queeny Plant. He met Mr. P.G. Benignus, Dr. Munch and Mr. Bergen. (As Mr. Misaki said he met a man who looked like a Division Director, so it might have been Mr. Bergen.)

(2) PCB Pollution Problems

Formally the federal Government was not involved in environmental problems of PCB, but recently they came to concern in them.

The Government is placing severe restrictions as described in the following.

In milk	Lower than 0.2 ppm
In fish	Lower than 0.5 ppm

MC is much concerned about dispersion of PCB and the plant waste water is treated with active carbon. It has technology of disposing of flame retardative condensers that have been impregnated. They shred condensers into pieces and burn them in an incinerator.

(3) MC's substitutes

MC is going to put out MCS-1016 to the market as a substitute for A-1242, MC asserts that nothing can take the place of PCB in the U.S. MC is running various experiments on MCS-1016 in such as properties of impregnated condensers, their life and biodegradatory possibilities.

(4) MCS-1016 and 1043

For unknow reasons Mr. Misaki was not given definite information, but he was told that MCS-1016 was made by cutting high boilers of Aroclor 1242. He was also told about properties of MCS-1016 when it was impregnated in condensers. He gathered information that MC was going to start manufacturing of the material in a large quantity

starting from July this year. At a meeting of technical committee of Condenser Department of Electrical Machine Manufacturing Association, there was a news that MC had developed a new impregnating fluid. He was wondering what it was. Now he knew it was no other than MCS-1016.

5) Samples for MCS-1016

Matsushita has requested a sample of MCS-1016 directly to MC through Mr. Terasaki who is stationed in New York.

Mr. Misaki asked us to get a sample for him if he failed to get one through that channel.

6) Information MMK released to Matsushita

We gave information about MCS-1016 on general properties except, its composition and properties in being used for impregnating condensers as indicated in data sheets attached.

As to the present position of MMK we told him that we had not decided whether we should manufacture the material but had received manufacturing know-how.

We also told him that we wowould let Matsushita know about data of biodegradability of MCS-1016 when decisive ones would become available.

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