

PCBs

A 1972 report by a team of government scientists found that PCBs "should be removed from man's activity" plankton along 75 miles of the Atlantic coast in New Jersey.



BLOOMINGTON WORKS

Messrs.

D. M. Sauter, Plant Manager
J. B. Brittain, Engineering Manager
W. F. Wheeler, Marketing Manager
→ G. L. Miller, Capacitor Sales Manager
R. E. Kennon, Capacitor Equipment Engrg. Mgr.
A. Sweetana, Potential Device & Line Trap Engrg. Mgr.

From: BLOOMINGTON WORKS
Date: JUNE 8, 1970
Subject: INERTEEN-POSSIBLE
ENVIRONMENTAL CON-
TAMINATION

1. Mr. J. C. Rissinger, Mgr. of Reliability at Sharon has contact-
ed me with regard to potential environmental contamination by
polychlorinated biphenyls. They propose two courses of action
to advise those receiving product from us of the potential haz-
ard;
 - A) Attaching a precautionary label to each device containing
Inerteen, before shipment. After discussion with Mr. Miller,
I am proposing the wording of this label as written in the
attached letter. It is expected that such a label would
take the form of a nameplate, attached to capacitor units
on the bracket opposite the normal nameplate, or other suit-
able location.
 - B) In addition, they propose to issue a letter, jointly with
D.A.D. Bloomington, stating the general situation and empha-
sizing precautionary steps to be taken. Following a discuss-
ion with Mr. Miller, I have modified their draft to be per
attached. Their proposed distribution is indicated. In
addition, we would expect to issue this letter as an Applica-
tion Data Letter to holders of catalogs, supplementing the DB.
2. With your concurrence on the wording of these two letters, I
would like to release them as soon as possible.

Robert D. McClain

R. D. McClain, Manager
Capacitor Unit Engineering

Attachment

RDMC/wl

1312

Bloom #23

901001

PLAINTIFF'S
EXHIBIT

1389

PLAINTIFF'S
EXHIBIT

747

PCBs

A 1970 report by a federal government task force stated that PCBs "should be eliminated from all man's activity" planning should be to be a priority



SHARON WORKS ML-015

Mr. J. C. Rissinger

From : BLOOMINGTON WORKS
Date : JUNE 5, 1970
Subject : INERTEEN-POSSIBLE
ENVIRONMENTAL
CONTAMINATION

cc: Pittsburgh-Gateway 15-E, Mr. O. M. Blackburn, Law Department
cc: Bloomington Works - Mr. D. M. Sauter, General Manager
Mr. J. B. Brittain, Engineering Manager
Mr. G. L. Miller, Capacitor Sales Manager

Ref: Your letter of May 18, 1970, to O. M. Blackburn.

1. We have reviewed the proposed precautionary labelling for products containing Monsanto askarels, and find it generally satisfactory.
2. However, we feel it would be desirable to modify the statement to read as follows:

"This product contains polychlorinated biphenyls, which some studies have shown may be an environmental contaminant. Extreme care should be taken to prevent any entry into the environment through spills, leakage, use, disposal, vaporization or otherwise. Disposal should be in approved dumps or by special arrangement with Monsanto Chemical Company, Krummerich Plant, Sauget, Illinois."

Robert D. McClain, Manager
Capacitor Unit Engineering

RDMcC/wi

901002

PCBs

A 1972 report by the U.S. Environmental Protection Agency (EPA) stated that PCBs "should be...
last force that urged that PCBs "should be...
plant, too along 70 miles of the coast...
man's activity... should be a danger



Form
WH
Date
Subject: INERTEEN AND
ENVIRONMENTAL
CONTAMINATION

Power Transformer Engineering Managers
Distribution Transformer Engineering Managers
District Engineers
M. & R. Shop Managers
Electric Service Engineers

The users of Monsanto askarel type fluids (Monsanto Arochlor-Westinghouse Inerteen) should be familiar with the attached notification received February 18, 1970 from the Monsanto Company on the above subject. Monsanto is the sole manufacturer of askarels used to make Inerteens for various types of Westinghouse transformers and capacitors.

Askarels are synthetic insulating fluids made by the chlorination of a relatively common chemical, biphenyl. The chlorination is necessary to impart nonflammable properties to the askarel. The resulting polychlorinated biphenyls (PCB's) are relatively insoluble in water but soluble in fat and are extremely persistent in the environment. It has been indicated by several laboratories that measurable amounts of the PCB's are present in our general environment and may have some affect on certain species of wildlife. While askarels are generally regarded as being non-toxic to humans it is reasonable to assume that very high standards of control will be issued by the government in the overall programs against pollution. Therefore, tight control on the usage and disposal of Inerteen must be exercised. This applies not only to the manufacturing locations, but also to the repair shops and application sites.

While the electrical users of askarels provide sealed systems, there still remains a problem of waste disposal when the equipment exceeds its useful life or under goes repair.

For scrap Inerteen fluid, Monsanto has arranged for return of this material in sealed drums. Ship prepaid to Monsanto Company, W. G. Krummrich Plant, Sauget, Illinois, Attention: Supervisor Department 246. A charge of three cents per pound will be made for all returned askarel.

Inerteen soaked coils, insulation scrap, filter cartridges, and other materials must be disposed of in approved chemical dumps or be stored until appropriate methods can be provided to dispose of them properly.

901003



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There is considerable work being done at the present time on this whole problem. We will continue the use of Inerteen because of its outstanding performance record and safety features. If modifications of the present askarels can be made without sacrificing the nonflammable and other insulating properties, but which still make them less harmful to wildlife they will be used in our Inerteen.

We request that each Electric Service Engineer please furnish a copy of the attached Monsanto letter to users of Inerteen transformers and capacitors in his area.

Robert D. McClain
Manager Capacitor Unit Engineering
Bloomington Distribution Apparatus Division

T. K. Sloat
Fluid Insulation Sect. Mgr.
Sharon Transformer Division

Attachment

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