Donald E. Roush

July 16, 1971

H. S. Bergen - B2S A
[redacted]
N. T. Johnson - B2S J
W. B. Papageorge - B2S K

EAST COAST TERMINALS
Wilmington, North Carolina

J. R. FALLON B2S H
J. J. RODER B2S J

SUMMARY

During the week of July 12 Bill Papageorge contacted Jay Pullman and me regarding a PCB contamination problem in chicken feed in the southeast.

This problem was brought to the attention of George Ramoser, Ag Division, concerning use of their Santoquin product in chicken feed by Jim Andrews, Research Director, Holly Farms. Andrews had analyzed feed and found PCBs. This action was prompted by illness in nine week old chicks. Subsequent investigation isolated a fish meal component of this feed supplied by East Coast Terminals of Wilmington, North Carolina.

Further inquiries showed East Coast had purchased 9400 pounds of Therminol FR-1 between May 4 and June 16, 1971 -- an unusual amount of make up.

We have confirmed contamination of the fish meal by Therminol FR-1 at East Coast Terminals from early May through July 15. To our knowledge the system continues to operate against advice to shut it down.

Confirmation by Jay Pullman contact with Dean Morton at East Coast Terminals and by Don Roush through Tom Youch at Western Precipitation, Los Angeles.

Morton told Jay Pullman he continued to operate with known leakage hoping it would go undetected until repairs could be made. New dryer screws were ordered and are at the plant. Leakage occurred from corrosion failures on the product side of the Therminol FR-1 heated dryer screws. Salt, moisture and high temperature contributed to the failure of the steel screws.

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Morton knew of our efforts to change from Therminol FR-1 through Ed Greenwood at Commodity Pasteurizing, Stockton, California, about six months ago. Commodity Pasteurizing is a sister plant to East Coast and both are owned by South Pacific Proteins of Darien, Connecticut.

Commodity Pasteurizing had been contacted previously by Cliff Boutin and Don Roush regarding change from Therminol FR-1.

Multiple checks of our master list show that East Coast, Commodity Pasteurizing and South Pacific Proteins did not receive the February, 1970 nor the June, 1970 Aroclor/Therminol PCB letters.

ACTION

Immediate action taken was to notify COP to terminate sale of Therminol FR products to the above three companies and to screen all orders for Therminol FR fluids. Food users ordering Therminol FR fluid should be referred to the product group for action.

Tom Gossage has requested the product group to screen customer applications of all Therminol FR fluids before sale is allowed and to issue a new PCB letter to all Therminol FR accounts. His memo outlining these actions was issued to J. R. Fallon 7/16/71.

J. Pullman is reiterating his conversation of July 15 with Morton at East Coast Terminals inwriting to Morton with copies to St. Louis.

The Santoquin unit at Nitro Plant has ordered immediate change from Therminol FR-1 to Therminol 66 in their heating system.

MISCELLANEOUS

The following items are pertinent to this Therminol FR-1 application at East Coast Terminals:

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System:	A Western Precipitation Holo-Flite twin screw dryer for salmonella control of fish meal (imported from Peru).
Through-put Rating:	15 Tons/hour fish meal feed
Equipment Purchase:	Late 1969
Start Up:	About February, 1970
Heater:	Sid D. Parker, Los Angeles
Therminol Fill:	Estimated 800 gallons (We have been unable to locate original fluid purchase order.)
General Contractor:	W. J. Moran Company Alhambra, California
Piping Contractor:	Bakery Engineering Los Angeles, California

COMPANIES AND CONTACTS

Contacted by Product Group:

East Coast Terminals Wilmington, North Carolina	Dean Morton, Manager (919-763-1686)
South Pacific Proteins Darien, Connecticut	Charles Burgess, President James Lenti (Owners of East Coast Terminals and Commodity Pasteurizing)

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Commodity Pasteurizing Stockton, California	Ed Greenwood, Manager
Monsanto Nitro Plant Santoquin Unit	Frank Helmer
Western Precipitation Los Angeles	Tom Youch (Feed dryer supplier)

Not Contacted by Product Group:

Kopel Brothers Long Beach, California	Bill Wickstead (Commodity Pasteurizing is off-shoot of Kopel)
International Proteins Fairfield, New Jersey	Pierre Petreau (Off-shoot of South Pacific using Bethlehem Porcupine process reportedly on Therminol FR-1)
Chemical By Products Greensboro, North Carolina	(Contacted by G. Ramoser and indicates five chicken farms involved and East Coast Terminals is common denominator).
B.M. Hancock and Sons Wisconsin	(Reported to Ramoser that 148 ppm PCBs found in feed forcing destruction of chicken flock.)

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