

ILLINOIS POLLUTION CONTROL BOARD
September 13, 1990

PETER AREDOVICH)
PATRICIA LISTERMANN)
)
Complainants,)
)
v.) PCB 88-127
) (Enforcement)
KOPPERS COMPANY, INC.,)
)
Respondent.)

MR. PETER AREDOVICH AND MS. PATRICIA LISTERMANN, APPEARED PRO SE; AND

MR. CHESTER R. BABST III AND MR. JOSEPH K. REINHART, ATTORNEYS AT LAW, APPEARED ON BEHALF OF RESPONDENT.

OPINION AND ORDER OF THE BOARD BY (J. C. Marlin):

On February 8, 1990, the Board entered an Interim Opinion and Order in this matter which found by a 4-3 vote that Koppers Company, Inc. (Koppers) had violated Section 9 of the Environmental Protection Act. That Interim Opinion and Order found that emissions of naphthalene and creosote odors from the Koppers' facility were unreasonable and constituted a substantial interference with the enjoyment of life and property of the complainants. After making that finding, the Board retained jurisdiction and ordered Koppers to prepare and submit a report on the methods, costs, and timing of pollution control strategies taken by Koppers and planned for the future. Koppers filed its report, compiled by Mittlehauser Corporation, a chemical engineering company, on April 25, 1990. Petitioner, Peter Arendovich, filed comments on May 24, 1990.

The report filed by Koppers corrects a deficiency in the record of this matter. The report details Koppers efforts to control the air emissions from various equipment and operations. Repairs and modifications that have been completed include the repair or replacement of hatches and vents on a number of systems, the renovation of the distillation vacuum system, and the installation of inert gas purge systems to reduce vapor emissions during the cleaning of transmission lines. Other control strategies in the process of being completed include the modification and upgrading of the "F-2" topped tar fume recovery system.

The report also specifies three emission sources where future improvements are being investigated. Koppers is conducting an evaluation of the available odor abatement

technologies for the creosote blending and loading storage tanks. A similar study is being conducted for the naphthalene unloading process. An evaluation has already been completed on the options for connecting the coal tar feed tanks to the fume system, F-2, or the addition of a new fume system. The report states that that study led Koppers to a determination that both options would not be cost effective.

Mr. Arendovich, one of the petitioners, criticized the report and the improvements made at the Koppers' plant. He stated that the creosote odors still occur and interfere with his enjoyment of life and property. Mr. Arendovich would like to see a monitoring system installed at the Koppers Plant.

The Board will accept Koppers' report and commitment to improve its operations. Koppers is hereby ordered to continue efforts to minimize odor emissions and finish the projects listed in the report submitted to the Board on April 25. This Final Order does not preclude other enforcement actions being brought against Koppers if the violations continue.

The foregoing discussions, together with those included in the February 8, 1990 Interim Order, constitute the Board's findings of facts and conclusions of law in this matter.

ORDER

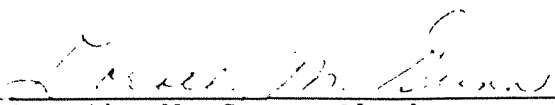
For the foregoing reasons, the Board hereby Orders Koppers Company, Inc., respondent, to undertake and perform Item Numbers I through XII of Table 4-1 from the "Illinois Pollution Control Board Report submitted to the Board on April 25, 1990. A copy of Table 4-1 is appended to the Order. In addition, Koppers is to add a yearly inspection of all hatches and vents within the vent maintenance program. Koppers shall cease and desist from all violations of the Act and Board regulations.

Section 41 of the Environmental Protection Act, Ill.Rev.Stat.1989, ch. 111 1/2, par. 1041, provides for appeal of final Orders of the Board within 35 days. The Rules of the Supreme Court of Illinois establish filing requirements.

IT IS SO ORDERED.

Board Members J. D. Dumelle and B. Forcade dissented.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above Order was adopted on the 15th day of September, 1990, by a vote of 5-2.


Dorothy M. Gunn, Clerk
Illinois Pollution Control Board

IMPLEMENTATION OF EMISSION CONTROLS
SINCE AUGUST 15, 1988

<u>Item No.</u>	<u>Emission Source</u>	<u>Additional Control Measure</u>	<u>Date</u>	<u>Additional Cost</u>	<u>Estimated % of Reduction *</u>
I.	Coal Tar Unloading Tanks	(1) Maintain temperature monitoring	10-88	None	10
		(2) Continue water caps on tanks	10-88	None	
II.	Coal Tar Feed Tanks	Investigated feasibility of connecting tanks to F-2 fume system.	12-89	Not Cost Effective	--
III.	Coal Tar Distillation	Tar distillation vacuum system renovated.	1-90	\$265,000	99
IV.	Dehydration Water Storage	(1) Decanter emissions are burned in the tube heater.	On-Going	---	--
		(2) Floating oils are pumped to tank #13.	On-Going	---	
		(3) Effluent sump is pumped to tanks #77 and #78.	On-Going	---	
V.	Refined Chemical Oil Storage	(1) Inspect existing storage system.	11-88	---	90
		(2) Repair worn hatches and vents.	12-88	\$ 5,000	
		(3) Connect tanks 12 and 13 to the improved F-2 Fume System.	5-90	Included in F-2 System Renovation	
VI.	Creosote Storage	(1) Inspect existing storage system.	11-88	---	90
		(2) Repair worn hatches and vents.	12-88	\$ 250	
		(3) Renovate Topped Tar Fume System, F-2.	5-90	\$367,000	
VII.	Creosote Blending and Loading	Evaluate need for fume system on creosote loading and blend tanks T-301, 302, and 303.	9-90	---	--

Table 4-1 (Cont'd.)

<u>Item No.</u>	<u>Emission Source</u>	<u>Additional Control Measures</u>	<u>Date</u>	<u>Additional Cost</u>	<u>Estimated % of Reduction *</u>
VIII.	Bitumen Storage	(1) Inspect existing storage system.	11-88	---	80
		(2) Repair worn hatches and vents.	3-89	\$ 7,000	
		(3) Extend inert gas purge to between transfer lines.	3-89	\$ 4,000	
IX.	Coal Tar Pitch Storage	(1) Vent tank emissions through pencil pitch fume recovery system.	On-Going	---	80
		(2) Check inert gas purging line.	10-88	---	
		(3) Inspect existing storage system.	12-88	---	
		(4) Repair worn hatches and vents.	3-89	\$ 2,500	
X.	Bitumen Drumming	(1) Repair bitumen cooler.	3-89	\$ 10,000	80
		(2) Extend inert gas purge to bitumen drumming.	8-89	\$ 4,000	
XI.	Coal Tar Pitch	(1) Vent emissions through pencil pitch fume system F-5.	On-Going	---	90
		(2) Modify loading spouts to reduce emissions.	3-89	\$ 4,000	
XII.	Naphthalene Unloading	Continue Present Operation	On-Going	---	--
				TOTAL \$668,750	

* Over and above emission control measures taken prior to 8-15-88.