FILE NAME: Melrath Supply and Gasket Company (MSG)

DATE: 1946

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#2

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
BUREAU OF INDUSTRIAL HYGIENE

Report of Dust Study

Melrath Supply and Gasket Company
2135 Margaret Street
Philadelphia, Pennsylvania
June and November, 1946

At the request of Mr. Frank X. Vasso, Manager, dust studies were made at the above plant before and after the renovation of the existing exhaust system.

RECOMMENDATIONS

In view of the finding no recommendations are necessary.

DETAILED FINDINGS

This plant was engaged in the sawing and shaping of pressed wood boards. It was typical of woodworking plants except for the composition of the material. As is evidenced by the results of the study, the dust concentrations had been reduced by the renovation of the exhaust system. More so than the dust concentrations, the improved housekeeping has proven the wisdom of repairing the ductwork, hoods and fans. The additional changes that the management has in mind such as the elimination of the rest of the old ductwork, the placing of individual movable hoods over each saw, will improve conditions further. Studies should also be made on each machine to determine the maximum number of boards that can be sawed at the same time, without creating an amount of dust too great for the air velocity at the face of the hoods to overcome.

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Dust Concentrations

Melrath Supply and Gasket Company
2135 Margaret Street
Philadelphia, Pennsylvania

Sampling Location	Dust Concentrations Millions of particles per cubic foot of air		Remarks
	June, 1946	November, 1946	
Machine #1	6.2 14.4	2.3 8.0	
Machine #2	14.7 3.1	2.3 ---	
Machine #3	1.6 2.6	2.4 1.8	
Machine #5	59.0 84.0	4.2 4.1	
Machine #6	21.6 27.3	---	Will not be operated until hoods are placed over saws
Machine #7	1.0 5.2	1.7 9.0	
Shaper on Second floor	9.6	2.3	
Shaper on first floor	---	16. 13.	Not enough coverage supplied by hood

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