regarding the development of each case through to its final disposition, and including total cost, should be supplied the industrial hygiene laboratory. When these data are immediately available to the laboratory, whether company, insurance carrier, or state, technical investigations can be made while facts are fresh to determine the cause of the claim and the means of preventing similar occurrences. These records serve as a guide for trouble-shooting service and are an indicator of

PLANT: LOCATION:

Sample No.	Date (1944)	Count million per cu. ft.	Department	Description and location	Conditions
102	3/10	7.4	Cleaning	Impinger, Section C-4, 16' N of #2 welding booth; hand grinder on clean manganese steel gear track	Clear, S.W. wind 10 m.p.h. 60° outside, 75° inside, smoky inside
103	3/10	7.6	Cleaning	Impinger, Section C-5, 32' N of #2 welding booth; hand grinder on manganese steel pipe elbow	Same
104	3/10	24.6	Molding	Electric precipitator, molding on floor H-3, main floor, one complete cycle	West wind, 2-3 m.p.h., clear, 55° out, 62° inside
105	3/10	23.0	Molding	Impinger, duplicate of 104 above	Same
106	3/10	38.5	Molding	Electric precipitator, molding on floor D-6, hand molding. Shaking out up-wind on floor E-6	Same
107	3/10	37.7	Molding	Impinger, duplicate of 106 above	Same
108	3/10	6.3	Molding	Electric precipitator, on floor J-3 while pouring 18 750-lb. castings, two per ladle	West wind, 3 m.p.h., cloudy, 53° outside, 84° inside, smoky
109	3/10	7.1	Molding	Impinger sample, duplicate of 108 above	Same
110	3/10	32.3	Molding	Impinger, by operator of sand muller while preparing facing sand, shovels into hopper 860 lbs. sand, 12 lbs. fine clay, 55 lbs. sea coal, 40 lbs. burnt core sand	West wind, 6 m.p.h., 50° outside, 54° inside, very dusty until water is added

problems involved and results achieved. They show where additional control measures are needed, and should be filed under plant or department so that they may be reviewed by the industrial hygienist immediately before a visit to the plant. With tabulations of diseases, substances causing diseases, occupations, industries, years, and cost, they furnish valuable information. However, unless

Sample time			Sample vol.,	Dilution			Microprojector counts per 0.05 cu. mm.					Total per (0.25	Blank	Net count
Start	Stop	Min.	cu. ft.	Initial ml.	Ratio	Final ml.	1	2	3	4	5	cu. mm.)		0.25 cu. mm.
11:15 AM	11:30 AM	15	1.5	25	-	25	25 23	24 21	20 19	21 22	27 26	117 111	3	111
11:32 AM	11:47 AM	15	1.5	25	-	25	24 21	28 23	23 20	20 25	23 24	118 113	3	113
12:35 PM	12:50 PM	15	39	50	1:25	1250	49 33	41 31	32 34	35 43	40 50	197 191	3	191
12:35 PM	12:50 PM	15	1.5	25	5:25	125	20 12	11 14	15 17	11 11	13 19	70 73	3	69
1:07 PM	1:22 PM	15	39	100	1:25	2500	28 25	26 26	35 33	34 40	29 30	152 154	3	150
1:07 PM	1:22 PM	15	1.5	25	5:25	125	29 17	21 22	19 24	28 26	21 24	118 113	3	113
1:50 PM	2:20 PM	30	78	50	1:25	1250	23 23	15 19	16 21	19 20	19 23	92 106	3	97
1:50 PM	2:20 PM	30	3.0	25	-	25	38 40	44 37	39 38	53 49	46 43	220 207	3	211
3:10 PM	3:25 PM	15	1.5	25	5:25	125	22 20	17 27	15 19	18 21	26 16	98 103	3	97