ESMCORP
ENVIRONMENTAL SAFETY MANAGEMENT CORPORATION

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March 20, 2024

Mr. Nicholas Crupi, CEFM
Director, Buildings and Grounds
Scotch Plains - Fanwood Public Schools
512 Cedar Street
Scotch Plains, NJ 07076

Dear Mr. Crupi,

This report outlines findings from ESMCorp's March 7, 2024 Q3 Indoor Air Quality monitoring at each of the 8 Scotch Plains-Fanwood Schools. This assessment was conducted as part of the Scotch Plains – Fanwood Schools routine preventative indoor air quality program to ensure acceptable air quality for students, staff and visitors.

The purposes of this inspection were the following:

- Determine if air quality parameters including fresh air supply, volatile organic compounds, carbon monoxide, temperature and humidity were within expected ranges.
- Determine if the school is in general compliance with current guidelines by the State of New Jersey and the CDC with respect to ventilation in classrooms for reducing COVID-19 transmission risk.

The inspections, data analysis and report were conducted Mr. Richard A. Lynch, MBA, CIH, CIEC and Dr. Richard M. Lynch, Ph.D., CIH of Environmental Safety Management Corporation.

Executive Summary

The March 2024 routine Indoor Air Quality Assessment of the Scotch Plains – Fanwood schools revealed that fresh air supply was within normal ranges in a large majority of the 167 rooms inspected throughout the 8 schools in accordance with PEOSHA, CDC and NJ Department of Education guidelines for COVID-19 transmission risk reduction. There were no musty odors, no widespread visible water damage, and no visible mold contamination observed. There were no elevations in carbon monoxide or volatile organic compounds. Temperature and relative humidity were largely within normal ranges given outdoor conditions at each of the schools. Recommendations for inspecting unit ventilator fan speed and damper position in specific classrooms as well as for encouraging teachers to open windows whenever feasible, are contained at the end of this report.

I. Evaluation Criteria

According to the CDC "regardless of the level of community transmission, it is critical that schools use and layer prevention strategies, following district policies and procedures for COVID-19 transmission risk reduction. Recent State of NJ Department of Health updated guidance for K-12 Schools (August 31, 2023) , continue to recommend layered strategies for prevention of COVID-19 transmission in schools. The focus has shifted from an individual case-based response strategy to a transmission mitigation

strategy, where the risk of the whole school community, including the risk of interruptions to learning, is considered.

Heating Ventilation, Air Conditioning Systems

The NJDOH and CDC recommended that schools "Improve ventilation to the extent possible to increase circulation of outdoor air, increase the delivery of clean air, and dilute potential contaminants. This can be achieved through several actions.

- Bring in as much outdoor air as possible.
- Ensure Heating, Ventilation, and Air Conditioning (HVAC) settings are maximizing ventilation.
- Filter and/or clean the air in the school by improving the level of filtration as much as possible.
- Use exhaust fans in restrooms and kitchens.

For mechanically ventilated schools, The NJ PEOSHA Indoor Air Quality Standard requires that HVAC systems be inspected and maintained in accordance with manufacturer specifications and that damaged components be repaired. According to the standard, when indoor air levels of carbon dioxide exceed 1,000 parts per million the employer inspect the system to ensure that it is operating as it should NJAC 12:100-13.3. The standard also requires that when indoor air temperatures cannot be maintained between 68-79°F during the heating season, that the HVAC system be inspected. This is based upon the ASHRAE 55 standard which recommends that air temperatures be maintained between 68-72°F during the heating season, 74-78°F during the cooling season and 68-79°F during the transition seasons; all ideally at 30-60% relative humidity.

In non-mechanically ventilated buildings the PEOSHA standard requires that the employer "Assure that buildings without mechanical ventilation are maintained so that windows, doors, vents, stacks, and other portals designed or used for natural ventilation are in operable condition (NJAC 12: 100-13.3-6).

II. Methods

Based upon the above, the following methods were observed:

1. A visual inspection of a representative sample of classrooms within each building was conducted for indications of air quality concerns including water damage, musty odors, air flow and general cleanliness.
2. Carbon Dioxide (CO_2) was measured as an indicator of fresh air supply in each of the representative areas evaluated at the center of the room, and where accessible, at the discharge of unit ventilators, using a TSI Q-Trak 7575 IAQ Monitor.
3. Volatile Organic Compounds (VOC's), Carbon monoxide, temperature and relative Humidity were also measured.

III. Findings and Results

General Observations

- Approximately 167 classrooms throughout the district were inspected and monitored during normal occupancy by students and staff.
- Classrooms were occupied by an average of 13 to 20 students at the time of assessment.
- Unit ventilators in over 95% of classrooms throughout the district were operating at the time of inspection.
- Windows were closed in most classrooms in each building. On average, zero (0) of 2-6 windows were open in each classroom at the time of inspection.
- There were no indications of unusual accumulations of dust or debris in any areas.

- There were no mold-like or musty odors present, and no evidence of unusual mold growth in the areas inspected.

Air Monitoring Findings

- Outdoor air was measured to contain approximately 413 to 469 parts per million carbon dioxide with temperature at 46 to 53ºF. Relative humidity ranged between 35 to 45% over the inspection period.
- The average carbon dioxide level in all classrooms monitored was 852 parts per million; lower than to the PEOSHA guideline of 1000 ppm and the ASHRAE guideline of 700 ppm above outdoor levels.
- There were no elevations in carbon monoxide nor volatile organic compounds detected in any of the classrooms monitored.
- Temperature and relative humidity were within the PEOSH recommended range in most areas tested, averaging 70@ 52% RH, and considered normal.
- Fourteen percent (14%) of classrooms contained elevated carbon dioxide levels exceeding 1,000 parts per million, suggesting a need to open windows whenever feasible, and to inspect unit ventilator fan speed and/or outdoor air damper position as described in the PEOSHA indoor air quality standard.

A summary of inspection findings and air quality results is displayed in Table #1 below.

Table #1 – Q3 Air Quality Summary March 2024 - Scotch Plains Fanwood Schools

	Total Rooms inspected	Average CO2 levels (center of room)	Average Temperature (°F)	Average Relative Humidity (%)	Average number of windows open	Average number of windows present	Average number of students present
Scotch Plains - Fanwood High School	42	819	71	49	0	4	13
Evergreen Elementary	16	867	73	52	0	4	18
Coles Elementary	19	874	68	54	0	5	14
Terrill Middle School	20	1071	67	53	1	6	19
McGinn Elementary	16	829	68	55	0	4	12
Malcolm E. Nettingham Middle School	26	932	69	50	0	4	17
School One Elementary	16	799	71	51	0	2	12
Brunner Elementary	12	930	72	52	0	5	20
Total	167	-	-	-	-	-	-
Average	21	885	70	52	0	4	16

Detailed classroom findings and recommendations are contained on Table #2 at the end of this report.

IV. Conclusions and Recommendations

The March 2023 routine Indoor Air Quality Assessment of the Scotch Plains–Fanwood schools revealed that fresh air supply was within normal ranges in a large majority of the 167 rooms inspected throughout the 8 schools in accordance with PEOSHA, CDC and NJ Department of Education guidelines for COVID-19 transmission risk reduction. There were no musty odors, no widespread visible water damage, and no visible mold contamination observed. There were no elevations in carbon monoxide or volatile organic compounds. Temperature and relative humidity were largely within normal ranges given outdoor conditions at each of the schools.

Recommendations

1. Unit ventilators and rooftop HVAC systems in particular classrooms as shown in school-specific Tables at the end of this report should be inspected for airflow rates and/or fresh air damper position.
2. Teachers should be encouraged to open as many windows as is feasible given outdoor temperature and humidity conditions, keep unit ventilators running, and operate supplemental air filters in classrooms, nurse offices and trailers where provided by the district.

Thank you for the opportunity to assist you with the evaluation. Our final Q4 routine air quality monitoring will be scheduled for the end of May/early June 2024 .

Please contact me with any questions at (856)764-3557.

Sincerely,
Richard A. Lynch
Richard A. Lynch, MBA, CIH, CIEC
Certified Industrial Hygienist
www.esmcorp.com

Reviewed and Authorized:
Richard M. Lynch
Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM
President, ESMCorp
rlynch@esmcorp.com

School Name **Scotch Plains - Fanwood High School**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **3/7/2024**
Inspected Reviewed and Finalized by: **Mr. Richard A. Lynch, MBA, CIH, CIEC**
Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President

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	General Observations								Average Room Measurements				Supply Measurements		
Location	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Potential Students	Windows Open?	total windows present	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	-	-	437	0	55	64	0	-	
274	no	no	no	yes	0	24	1	8	500	0	70	46	0	455	
150	no	no	no	no	10	24	3	8	507	0	70	47	0	-	reactivate unit ventilator
172	no	no	no	yes	0	23	0	8	508	0	68	50	0	471	
254	no	no	no	yea	0	24	0	8	531	0	69	48	0	494	
156	no	no	no	no	0	25	0	8	548	0	72	49	0	470	
276	no	no	no	yea	0	24	1	12	576	0	71	41	0	444	
164	no	no	no	yes	10	21	0	11	620	0	71	47	0	475	
media center	no	no	no	yes	5	100	0	0	657	0	69	56	0	roof	
102	no	no	no	yes	2	14	0	0	675	0	69	53	0	roof	
176	no	no	no	yea	1	24	0	4	677	0	68	55	0	630	
260	no	no	no	yea	0	24	0	9	690	0	70	49	0	510	
271	no	no	no	yes	20	25	0	11	718	0	71	50	0	809	
231	no	no	no	yes	1	25	2	2	740	0	71	46	0	roof	
222	no	no	no	yes	1	5	0	2	775	0	72	46	0	roof	
267	no	no	no	yes	0	25	0	8	778	0	70	48	0	563	check fan motor noise source
207	no	no	no	yes	2	22	0	0	792	0	71	47	0	roof	
129	no	no	no	yes	1	24	0	0	806	0	70	49	0	roof	
204	no	no	no	yes	20	22	0	0	806	0	71	47	0	roof	
265	no	no	no	no	20	25	0	8	810	0	69	51	0	-	check thermostat, keep unit ventilator running
202	no	no	no	yes	20	24	0	2	830	0	71	46	0	roof	
281	no	no	no	yes	12	25	1	8	833	0	73	48	0	752	
212	no	no	no	yes	20	20	0	2	835	0	71	48	0	roof	
237	no	no	no	yes	24	24	0	0	849	0	72	50	0	roof	
122				yes	16	24	0	0	852	0	72	49	0	roof	
131	no	no	no	yea	24	24	0	0	860	0	71	49	0	roof	
275	no	no	no	yes	0	24	0	12	860	0	70	49	0	660	

School Name **Scotch Plains - Fanwood High School**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **3/7/2024**
Inspected Reviewed and Finalized by: **Mr. Richard A. Lynch, MBA, CIH, CIEC**
Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President

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	General Observations								Average Room Measurements				Supply Measurements		
Location	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Potential Students	Windows Open?	total windows present	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	-	-	437	0	55	64	0	-	
128	no	no	no	yes	24	24	0	0	887	0	71	50	0	roof	
223	no	no	no	yes	20	25	0	0	887	0	72	48	0	roof	
238	no	no	no	yes	14	24	0	0	916	0	71	50	0	roof	
215	no	no	no	yes	24	24	0	2	943	0	71	48	0	roof	
211	no	no	no	yes	22	22	0	0	950	0	71	49	0	roof	
242	no	no	no	yes	24	24	0	0	958	0	71	52	0	roof	
282	no	no	no	yes	20	25	1	8	958	0	70	53	0	772	
136	no	no	no	yes	24	24	0	0	980	0	72	51	0	roof	
245	no	no	no	yes	20	25	0	0	992	0	71	51	0	roof	
137	no	no	no	yes	20	20	0	2	995	0	69	54	0	roof	check fan speed and damper position
278	no	no	no	yes	16	24	0	4	1005	0	77	44	0	586	check diaphragm pressure in unit ventilator for proper function, excessive heat
247	no	no	no	yes	24	24	0	0	1013	0	71	50	0	roof	inspect rooftop unit for proper fan speed and damper position, open windows
233	no	no	no	yes	25	25	0	0	1048	0	71	50	0	roof	inspect rooftop unit for proper fan speed and damper position, open windows
139	no	no	no	yes	24	24	0	2	1057	0	70	54	0	roof	inspect rooftop unit for proper fan speed and damper position, open windows
141	no	no	no	yes	25	24	0	1	1067	0	70	53	0	roof	inspect rooftop unit for proper fan speed and damper position, open windows
235	no	no	yes	yes	25	25	0	0	1080	0	72	51	0	roof	inspect rooftop unit for proper fan speed and damper position, open windows
				Average	**14**	**25**	**0**	**3**	**842**	**0**	**71**	**49**	**0**	**597**	

School Name **Evergreen Elementary**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **3/7/2024**
Inspected Reviewed and Finalized by: **Mr. Richard A. Lynch, MBA, CIH, CIEC**
Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President

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	General Observations								Average Room Measurements				Supply Measurements		
Location	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Potential Students	Windows Open?	total windows present	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	-	-	432	0	61	51	0	-	
141	no	no	no	yes	0	12	1	6	481	0	70	55	0	434	
143	no	no	no	yes	2	4	1	2	620	0	70	61	0	roof	
134	no	no	no	no	21	24	0	4	665	0	81	41	0	-	
124	no	no	no	yes	14	25	1	6	727	0	70	49	0	632	
114	no	no	no		22	24	0	2	845	0	71	50	0	roof	
116	no	no	no	yes	18	25	0	2	852	0	71	52	0	roof	
104	no	no	no	yes	20	24	0	4	857	0	74	48	0	643	
120	no	no	no	yes	15	25	0	5	861	0	73	51	0	674	
131	no	no	no		20	26	0	4	875	0	75	50	0	561	
106	no	no	no	yes	21	25	0	4	879	0	72	49	0	745	
139	no	no	no	yes	17	25	0	6	894	0	74	59	0	812	
119	no	no	no	yes	22	25	0	4	910	0	73	53	0	684	
127	no	no	no	yes	22	26	0	4	930	0	73	56	0	789	
128	no	no	no	yes	20	24	0	6	954	0	74	53	0	blocked	keep unit ventilators unblocked
132	no	no	no	yes	22	24	0	6	1016	0	80	44	0	757	inspect unit ventilators for fan speed and damper position, open windows
110	no	no	no	yes	23	25	0	4	1425	0	73	55	0	1432	inspect unit ventilators for fan speed and damper position, open windows
				Average	**20**	**25**	**0**	**4**	**942**	**0**	**74**	**52**	**0**	**789**	

School Name **Coles Elementary**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **3/7/2024**
Inspected Reviewed and Finalized by: **Mr. Richard A. Lynch, MBA, CIH, CIEC**
Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President

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	General Observations								Average Room Measurments				Supply Measurements		
Location	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Potential Students	Windows Open?	total windows present	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	-	-	432	0	61	51	0	-	
107	no	no	no	yes	0	24	0	3	516	0	65	56	0	468	
129	no	no	no	yes	0	21	0	4	525	0	70	49	0	roof	
132	no	no	no	yes	1	6	0	2	553	0	69	49	0	roof	
133	no	no	no	yee	1	5	0	4	663		68	50	0	roof	
116	no	no	no	yes	20	25	0	4	672	0	67	53	0	597	
145	no	no	no	no	18	20	0	4	708	0	71	56	0	-	
118	no	no	no	yes	15	24	0	4	721	0	68	52	0	586	
115	no	no	no	yes	0	24	0	4	753	0	69	51	0	587	
113	no	no	no	yes	1	25	0	8	808	0	69	52	0	725	
120	no	no	no	yes	5	24	0	8	812	0	68	54	0	741	
148	no	no	no	yes	24	25	0	4	957	0	68	56	0	894	
139	no	no	no	yes	21	24	1	4	989	0	68	55	0	841	
111	no	no	no	yes	18	25	0	4	1025	0	68	56	0	860	inspect unit ventilators for fan speed and damper position, open windows
134	no	no	no	yes	20	25	0	4	1037	0	68	55	0	883	inspect unit ventilators for fan speed and damper position, open windows
136	no	no	no	yes	21	24	0	8	1059	0	68	55	0	568	inspect unit ventilators for fan speed and damper position, open windows
143	no	no	no	yes	20	25	0	4	1100	0	68	57	0	958	inspect unit ventilators for fan speed and damper position, open windows
142	no	no	no	yes	23	25	0	8	1181	0	68	57	0	915	inspect unit ventilators for fan speed and damper position, open windows
135	no	no	no	yes	25	25	0	4	1257	0	68	58	0	1211	inspect unit ventilators for fan speed and damper position, open windows
112	no	no	no	yes	25	25	0	4	1267	0	70	57	0	1278	inspect unit ventilators for fan speed and damper position, open windows
				Average	**15**	**22**	**0**	**5**	**915**	**0**	**68**	**54**	**0**	**832**	

School Name **Terrill Middle School**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **3/7/2024**
Inspected Reviewed and Finalized by: **Mr. Richard A. Lynch, MBA, CIH, CIEC**
Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President

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	General Observations								Average Room Measurments				Supply Measurements		
Location	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Potential Students	Windows Open?	total windows present	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	-	-	438	0	59	52	0		
36	no	no	no	yes	20	25	2	4	664	0	69	44	0	557	
9	no	no	no	yes	1	25	0	5	747	0	67	51	0	511	
1	no	no	no	yes	20	24	1	7	788	0	68	49	0	606	
TER	no	no	no	yes	30	30	0	0	887	0	68	54	0	roof	
32	no	no	no	yes	24	26	3	7	913	48	68	48	0	639	
10	no	no	no	yes	1	26	1	8	940	0	67	52	0	836	
7	no	no	no	yes	20	24	0	10	964	0	66	55	0	750	open windows
11	no	no	no	yes	8	12	0	7	980	0	68	52	0	667	open windows
17	no	no	no	yes	20	24	3	8	998	0	67	57	0	862	
21	no	no	no	yes	20	24	2	4	1009	0	68	55	0	945	inspect unit ventilators for fan speed and damper position, open windows
2	no	no	no	yes	18	24	0	7	1070	0	68	56	0	884	inspect unit ventilators for fan speed and damper position, open windows
25	no	no	no	yea	20	25	0	7	1087	0	69	51	0	750	inspect unit ventilators for fan speed and damper position, open windows
35	no	no	no	yes	20	26	0	4	1129	0	69	52	0	812	inspect unit ventilators for fan speed and damper position, open windows
18	no	no	no	yes	20	24	0	4	1200	0	69	53	0	1150	inspect unit ventilators for fan speed and damper position, open windows
8	no	no	no	yes	24	24	0	12	1216	0	68	58	0	905	inspect unit ventilators for fan speed and damper position, open windows
14	no	no	no	yes	20	24	0	7	1230	0	68	57	0	845	check cabinet panel bracket, inspect unit ventilators for fan speed and damper position, open windows
23	no	no	no	yes	24	24	1	4	1330	0	70	55	0	1246	inspect unit ventilators for fan speed and damper position, open windows
28	no	no	no	yes	20	26	0	8	1335	70	52	52	0	939	inspect unit ventilators for fan speed and damper position, open windows
29	no	no	no	yes	25	25	0	7	1420	0	68	56	0	1025	inspect unit ventilators for fan speed and damper position, open windows
40	no	no	no	yes	25	27	0	4	1430	0	70	55	0	1250	inspect unit ventilators for fan speed and damper position, open windows
				Average	**19**	**24**	**0**	**7**	**1156**	**5**	**67**	**54**	**0**	**924**	**-**

School Name **McGinn Elementary**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **3/7/2024**
Inspected Reviewed and Finalized by: **Mr. Richard A. Lynch, MBA, CIH, CIEC**
Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President

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	General Observations								Average Room Measurments				Supply Measurements		
Location	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Potential Students	Windows Open?	total windows present	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	-	-	432	0	61	51	0	-	
152	no	no	no	yes	8	25	0	4	577	0	65	61	0	roof	
104	no	no	no	yes	20	26	0	3	622	0	52	52	0	532	
149	no	no	no	yes	0	25	0	2	684	0	68	59	0	roof	
116	no	no	no	yes	0	25	0	4	693	0	70	52	0	583	
130	no	no	no	yes	20	25	2	2	710	0	68	55	0	608	
129	no	no	no	yes	10	24	2	4	754	0	68	56	0	686	
119	no	no	no	yes	0	25	0	3	777	0	68	53	0	601	
124	no	no	no	yes	0	24	0	4	781	0	68	55	0	647	
103	no	no	no	no	18	25	0	3	786	0	69	53	0	no	
107	no	no	no	yes	18	25	0	3	816	0	71	53	0	roof	
133	no	no	no	yes	21	24	2	4	825	0	69	55	0	703	
108	no	no	no	yes	24	25	0	4	863	0	71	52	0	roof	
134	no	no	no	yes	3	24	0	4	967	0	70	55	0	851	
135	no	no	no	yes	22	24	0	4	1006	0	69	55	0	851	inspect unit ventilators for fan speed and damper position, open windows
123	no	no	no	yes	0	25	0	4	1036	0	67	57	0	947	inspect unit ventilators for fan speed and damper position, open windows
128	no	no	no	yes	25	25	0	4	1324	0	70	59	0	1184	inspect unit ventilators for fan speed and damper position, open windows
				Average	**12**	**25**	**0**	**4**	**872**	**0**	**69**	**55**	**0**	**766**	

School Name **Malcolm E. Nettingham Middle School**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **3/7/2024**
Inspected Reviewed and Finalized by: **Mr. Richard A. Lynch, MBA, CIH, CIEC**
Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President

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ENVIRONMENTAL SAFETY MANAGEMENT CORPORATION

	General Observations								Average Room Measurments				Supply Measurements		
Location	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Potential Students	Windows Open?	total windows present	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	-	-	450	0	55	60	0	-	
110	no	no	no	yes	0	28	2	4	553	0	68	50	0	473	
119f	no	no	no	yes	1	25	0	1	612	0	68	49	0	roof	
211	no	no	no	yes	3	24	0	6	634	0	70	45	0	510	
119d	no	no	no	yes	10	25	0	0	688	0	68	52	0	ź,-'roof	
119b	no	no	no	yes	20	25	0	0	732	0	68	53	0	roof	
217	no	no	no	yes	24	25	0	5	740	0	70	43	0	557	
113	no	no	no	yes	12	24	0	4	750	0	69	51	0	584	
120	no	no	no	yea	12	12	0	1	762	0	68	54	0	roof	
media center	no	no	no	yes	6	50	0	0	766	0	68	56	0	roof	
201	no	no	no	yes	0	24	0	8	793	0	70	46	0	610	
220	no	no	no	yes	24	24	0	8	803	0	70	50	0	650	
303	no	no	no	yes	18	24	1	5	840	0	69	46	0	572	
108	no	no	no	yes	12	20	0	2	843	0	68	51	0	634	
208	no	no	no	yes	24	24	2	4	845	0	71	49	0	658	
316	no	no	no	yes	18	24	0	6	866	0	69	48	0	586	
203	no	no	no	yes	0	26	0	5	921	0	70	45	0	698	
319	no	no	no	yes	24	24	1	6	950	0	70	47	0	515	
117	no	no	no	yea	20	24	0	4	966	0	70	51	0	645	
206	no	no	no	yes	22	22	0	4	978	0	70	50	0	580	
305	no	no	no	yes	20	24	0	4	988	0	70	47	0	744	
302	no	no	no	yes	24	25	1	6	1150	0	69	50	0	807	inspect unit ventilators for fan speed and damper position, open windows
104	no	no	no	no	20	24	0	4	1200	0	68	56	0	off	reactivate unit ventilator
116	no	no	no	yes	25	26	0	5	1210	0	70	54	0	792	inspect unit ventilators for fan speed and damper position, open windows
313	no	no	no	yes	20	20	1	4	1260	0	70	51	0	1060	inspect unit ventilators for fan speed and damper position, open windows
309	no	no	no	yea	24	24	0	4	1558	0	71	52	0	1149	remove obstructions from unit ventilator, open windows
gym	no	no	no	no	60	100	o	0	1793	0	70	62	0	roof	activate exhaust fan and ceiling unit inspect rooftop unit for proper fan speed and damper position, open windows
				Average	**19**	**28**	**0**	**4**	**974**	**0**	**69**	**51**	**0**	**697**	

School Name **School One Elementary**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **3/7/2024**
Inspected Reviewed and Finalized by: **Mr. Richard A. Lynch, MBA, CIH, CIEC**
Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President

ESMCORP
ENVIRONMENTAL SAFETY MANAGEMENT CORPORATION

	General Observations								Average Room Measurments				Supply Measurements		
Location	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Potential Students	Windows Open?	total windows present	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	-	-	432	0	61	51	0	-	
202	no	no	no	yes	5	15	0	2	531	0	71	48	0	roof	
201	no	no	no	yes	1	24	1	2	558	0	70	48	0	roof	
211	no	no	no	yes	1	21	0	2	578	0	71	49	0	roof	
210	no	no	no	yes	18	25	0	2	635	0	71	48	0	roof	
104	no	no	no	yes	0	24	0	2	677	0	70	50	0	roof	
213	no	no	no	yes	18	24	0	2	695	0	72	49	0	roof	
112	no	no	no	yes	24	26	2	3	721	0	71	51	0	roof	
208	no	no	no	yes	16	24	0	3	742	0	72	49	0	roof	
102	no	no	no	yes	5	13	1	2	753	0	70	51	0	roof	
101	no	no	no	yes	16	24	0	2	814	0	70	53	0	roof	
109	no	no	no	yes	24	23	0	2	831	0	70	53	0	roof	
108	no	no	no	yes	18	24	0	3	855	0	70	51	0	roof	
105	no	no	no	yes	18	24	0	2	857	0	70	53	0	roof	
204	no	no	no	yes	18	24	0	2	1105	0	71	54	0	roof	inspect rooftop unit for proper fan speed and damper position, open windows
131T	no	no	no	no	9	24	0	4	1178	0	70	55	0	-	reactivate unit verntilator
206	no	no	no	yes	0	24	0	2	1222	0	71	56	0	roof	inspect rooftop unit for proper fan speed and damper position, open windows
				Average	**13**	**23**	**0**	**2**	**833**	**0**	**71**	**52**	**0**	**-**	

School Name **Brunner Elementary**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **3/7/2024**
Inspected Reviewed and Finalized by: **Mr. Richard A. Lynch, MBA, CIH, CIEC**
Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President

ESMCORP
ENVIRONMENTAL SAFETY MANAGEMENT CORPORATION

	General Observations								Average Room Measurments				Supply Measurements		
Location	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Potential Students	Windows Open?	total windows present	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	-	-	432	0	61	51	0	-	
207	no	no	no	yes	0	25	0	8	467	0	72	47	0	432	
206	no	no	no	yes	24	24	0	4	555	0	72	50	0	468	
125	no	no	no	yes	8	12	0	2	685	0	71	50	0	roof	
126	no	no	no	yes	17	24	0	4	692	0	71	49	0	roof	
127	no	no	no	yes	14	25	0	3	778	0	71	51	0	roof	
208	no	no	no	yes	23	25	1	8	935	0	73	50	0	841	
111	no	no	no	yes	25	25	0	4	975	0	72	55	0	732	
112	no	no	no	yew	25	25	0	3	1090	0	73	51	0	750	inspect unit ventilators for fan speed and damper position, open windows
118	no	no	no	yes	25	25	0	4	1135	0	72	55	0	875	inspect unit ventilators for fan speed and damper position, open windows
113	no	no	no	yes	25	25	0	4	1145	0	71	53	0	1056	keep unit ventilators unblocked
203	no	no	no	yes	24	25	0	4	1245	0	73	52	0	764	inspect unit ventilators for fan speed and damper position, open windows
211	no	no	no	yes	24	22	1	8	1352	0	72	55	0	1120	inspect unit ventilators for fan speed and damper position, open windows
				Average	**22**	**25**	**0**	**5**	**1039**	**0**	**72**	**52**	**0**	**877**	