

March 12, 2025

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 [ESM Corp's](#) February 27, 2025 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 the PEOSHA Indoor Air Quality Standard and current guidelines by the State of New Jersey and the CDC with respect to ventilation in classrooms.

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

Findings revealed that fresh air supply rates were within normal expected ranges in most of the 166 rooms inspected throughout the 8 schools in accordance with PEOSHA, CDC and NJ Department of Education guidelines. 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 within normal ranges given outdoor conditions at each of the schools. Room-specific recommendations are contained within the Tables at the end of this report.

I. Evaluation Criteria

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). In naturally ventilated classrooms (rooms with no mechanical ventilation systems such as unit ventilators, or rooftop air handlers), it is recommended that windows be opened to the maximum extent possible given temperature and security concerns.

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 (CO₂) 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. Carbon monoxide, temperature and relative Humidity were also measured.
3. Volatile Organic Compounds (VOC's) were measured using a Toxi Rae or Mini Rae 2000 Photoionizer calibrated to isobutylene.

III. Findings and Results

General Observations

- Approximately 166 classrooms throughout the district were inspected and monitored during normal occupancy by students and staff.
- Classrooms were occupied by an average of 11 to 22 students at the time of assessment.
- Unit ventilators in over 89% 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) 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 435 to 456 parts per million carbon dioxide with temperature at 51 to 59°F. Outdoor Relative humidity averaged approximately 47% over the inspection period.
- The average carbon dioxide level in all classrooms monitored was 980 parts per million; lower than or equivalent to the PEOSHA guideline of 1000 ppm and the ASHRAE guideline of 700 ppm above outdoor levels. Based upon the above, fresh air introduction rates as indicated by carbon dioxide levels were within PEOSHA/ASHRAE guidelines in a large majority of classrooms inspected, indicating that rooftop air handlers and unit ventilators were operating per design.
- There were no elevations in carbon monoxide or 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 72@ 25% RH, and considered normal given outdoor conditions.
- A few classrooms in Coles, Nettingham and McGinn had unit ventilators that were deactivated at

the time of inspection, reducing outdoor air introduction.
A summary of inspection findings and air quality results is displayed in Table #1 below.

Table #1 – Air Quality Summary February 27, 2025 - 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 students present
Scotch Plains - Fanwood High School	34	875	73	39	2	14
Evergreen Elementary	23	922	72	38	0	13
Coles Elementary	20	1111	72	41	0	16
Terrill Middle School	16	1165	69	51	1	22
McGinn Elementary	19	1029	70	42	0	15
Malcolm E. Nettingham Middle School	21	823	71	43	0	14
School One Elementary	17	940	72	39	0	13
Brunner Elementary	16	1134	72	38	0	11
Total	166	-	-	-	-	-
Average	21	980	71	41	0	15

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

IV. Conclusions and Recommendations

The February 2025 3rd Quarter routine Indoor Air Quality Assessment of the Scotch Plains – Fanwood schools revealed that fresh air supply rates were within normal expected ranges in a most of the 166 rooms inspected throughout the 8 schools in accordance with PEOSHA, CDC and NJ Department of Education guidelines. 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 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 where provided by the district.

Thank you for the opportunity to assist you with the evaluation. Our next routine scheduled monitoring will be scheduled for December 2024. Please contact me with any questions at (856)764-3557.

Sincerely,
Richard A. Lynch
Richard A. Lynch, MBA, CIH, CIEC
Certified Industrial Hygienist
NJ Licensed Indoor Environmental Consultant
www.esmcorp.com

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

School Name **Scotch Plains - Fanwood High School**
 Inspection Type **Mold/Air Quality Inspection**
 Date of inspection **2/27/2025**



Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**

by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President**

Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	402	0	48	62	0	-	
259	no	no	no	yes	0	0	514	0	78	35	0	407	
158	no	no	no	yes	0	0	571	0	75	32	0	427	
171	no	no	no	yes	0	0	578	0	71	42	0	551	
164	no	no	no	yes	3	0	610	0	74	40	0	491	
278	no	no	no	no	20	0	648	0	73	38	0	542	
111	no	no	no	yes	0	na	659	0	70	44	0	roof	
175	no	no	no	yes	0	0	676	0	71	43	0	620	
150	no	no	no	no	10	0	793	0	76	41	0	off	reactivate unit ventilator
129	no	no	no	yes	24	0	809	0	71	39	0	roof	
138	no	no	no	yes	14	0	817	0	70	43	0	roof	
251	no	no	no	yes	0	0	822	0	74	39	0	560	
206	no	no	no	yes	18	na	825	0	72	38	0	roof	
237	no	no	no	yes	12	na	830	0	73	36	0	roof	
135	no	no	no	yes	24	0	834	0	72	38	0	roof	
210	no	no	no	yes	24	0	835	0	74	36	0	roof	
120	no	no	no	yes	24	na	851	0	71	39	0	roof	
202	no	no	no	yes	20	0	852	0	72	39	0	roof	
268	no	no	no	yes	0	26	870	0	75	37	0	587	
242	no	no	no	yes	20	na	875	0	73	37	0	roof	
247	no	no	no	yes	24	na	884	0	73	36	0	roof	
130	no	no	no	yes	25	0	886	0	71	40	0	roof	
141	no	no	no	yes	27	0	893	0	70	40	0	roof	
224	no	no	no	yes	18	0	908	0	72	37	0	roof	

School Name **Scotch Plains - Fanwood High School**
 Inspection Type **Mold/Air Quality Inspection**
 Date of inspection **2/27/2025**



Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**

by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM - President**

Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
233	no	no	no	yes	24	na	930	0	73	37	0	roof	clean and paint rusty supply air diffuser
215	no	no	no	yes	18	0	933	0	73	36	0	roof	
264	no	no	no	yes	24	0	948	0	72	42	0	755	
140	no	no	no	yes	24	0	966	0	71	42	0	roof	
281	no	no	no	yes	20	2	1032	0	70	46	0	731	
224	no	no	no	yes	23	na	1035	0	72	38	0	roof	
225	no	no	no	yes	20	na	1035	0	72	38	0	roof	
255	no	no	no	yes	0	0	1120	0	78	35	0	944	
274	no	no	no	yes	0	0	1194	0	76	37	0	902	
155	no	no	no	no	0	0	1350	0	75	40	0	off	reactivate unit ventilator
266	no	no	no	yes	2	25	1350	0	70	45	0	1200	check damper position
				Average	14	2	875	0	73	39	0	671	

School Name **Evergreen Elementary**
 Inspection Type **Mold/Air Quality Inspection**
 Date of inspection **2/27/2025**
 Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**
 by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CF**



Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	450	0	56	43	0	-	
104	no	no	no	yes	0	0	475	0	68	45	0	470	
107	no	no	no	yes	2	0	600	0	71	38	0	584	
108	no	no	no	yes	0	0	614	0	71	41	0	550	
132	no	no	no	no	21	2	682	0	76	37	0	665	
135	no	no	no	yes	21	0	779	0	75	33	0	650	
155	no	no	no	yes	3	0	800	0	71	37	0	roof	
113	no	no	no	yes	8	0	805	0	70	35	0	roof	
151	no	no	no	yes	21	0	819	0	71	37	0	roof	
129	no	no	no	yes	18	0	875	0	74	36	0	675	
118	no	no	no	yes	12	0	879	0	71	39	0	775	
117	no	no	no	yes	18	0	880	0	71	38	0	roof	
115	no	no	no	yes	10	0	911	0	70	37	0	roof	
127	no	no	no	yes	20	0	963	0	71	41	0	777	
121	no	no	no	yes	1	0	978	0	74	37	0	853	
128	no	no	no	yes	20	0	1000	0	71	43	0	696	
152	no	no	no	yes	23	0	1019	0	72	36	0	roof	
130	no	no	no	yes	20	0	1025	0	75	40	0	905	
120	no	no	no	yes	1	0	1093	0	71	35	0	1053	
112	no	no	no	yes	14	0	1097	0	71	32	0	roof	
106	no	no	no	yes	18	0	1114	0	69	46	0	945	
150	no	no	no	yes	22	0	1123	0	72	37	0	roof	
123	no	no	no	yes	15	0	1204	0	73	38	0	1194	inspect unit ventilator for fan speed and damper position
124	no	no	no	yes	20	0	1474	0	71	38	0	1328	inspect unit ventilator for fan speed and damper position

School Name **Evergreen Elementary**
 Inspection Type **Mold/Air Quality Inspection**
 Date of inspection **2/27/2025**
 Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**
 by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CF**



Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	450	0	56	43	0	-	
104	no	no	no	yes	0	0	475	0	68	45	0	470	
107	no	no	no	yes	2	0	600	0	71	38	0	584	
				Average	13	0	922	0	72	38	0	808	

School Name **Coles Elementary**

Inspection Type **Mold/Air Quality Inspection**

Date of inspection **2/27/2025**

Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**

by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHF**



Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	456	0	57	48	0	-	
138	no	no	no	yes	17	0	887	0	71	42	0	827	
137	no	no	no	yes	12	0	911	0	70	43	0	686	
128	no	no	no	yes	7	0	936	0	72	35	0	roof	
142	no	no	no	no	0	0	946	0	70	40	0	871	
130	no	no	no	yes	8	0	977	0	72	37	0	roof	
132	no	no	no	yes	10	0	999	0	72	39	0	roof	
148	no	no	no	yes	14	0	1009	0	68	42	0	994	
146	no	no	no	no	12	0	1010	0	70	38	0	-	
117	no	no	no	yes	21	0	1075	0	74	39	0	855	
119	no	no	no	yes	23	1	1085	0	73	39	0	865	
110	no	no	no	yes	20	0	1120	0	70	46	0	936	
114	no	no	yes	yes	14	0	1122	0	75	44	0	685	
122	no	no	no	yes	23	0	1130	0	72	38	0	1131	
144	no	no	no	yes	20	0	1130	0	71	45	0	965	
115	no	no	no	yes	23	0	1159	0	75	40	0	858	
116	no	no	no	no	22	0	1182	0	75	40	0	935	
113	no	no	no	yes	22	2	1183	0	76	40	0	884	
134	no	no	no	yes	18	0	1246	0	70	42	0	1011	inspect unit ventilator for fan speed and damper position
112	no	no	no	yes	21	0	1404	0	74	41	0	1387	inspect unit ventilator for fan speed and damper position
135	no	no	no	no	22	0	1718	0	70	45	0	1583	inspect unit ventilator for fan speed and damper position
Average					16	0	1111	0	72	41	0	967	

School Name **Terrill Middle School**
Inspection Type **Mold/Air Quality Inspection**
Date of inspection **2/27/2025**
Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**
by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM**



Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	435	0	59	49	0		
3	no	no	no	yes	0	0	693	0	68	49	0	505	
7	no	no	no	yes	20	3	775	0	69	52	0	580	
27	no	no	no	yes	30	0	859	0	70	44	0	587	
8	no	no	no	yes	20	0	865	0	68	55	0	760	
2	no	no	no	yes	20	0	875	0	68	52	0	742	
17	no	no	no	yes	22	0	948	0	68	50	0	725	
21	no	no	no	yes	22	1	987	0	69	51	1	875	
13	no	no	no	yes	25	0	1033	0	68	50	0	813	
23	no	no	no	yes	25	0	1179	0	69	49	0	1061	check damper position
35	no	no	no	yes	25	0	1216	0	70	46	0	819	open windows
28	no	no	no	yes	20	0	1360	0	71	51	0	850	ncrease fan speed, open windows
36	no	no	no	yes	25	1	1402	0	70	48	0	1106	open minimum 2 windows
20	no	no	no	yes	24	3	1465	0	68	52	0	1312	check damper position and increase fan speed
10	no	no	no	yes	24	0	1580	0	69	56	0	1375	check damper position and fan speed, open windows
34	no	no	no	yes	24	0	1650	0	71	53	0	1588	check damper position
40	no	no	no	yes	25	0	1750	0	68	52	0	1609	check damper position, open windows
Average					22	1	1165	0	69	51	0	957	-

School Name **McGinn Elementary**
 Inspection Type **Mold/Air Quality Inspection**
 Date of inspection **2/27/2025**
 Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**
 by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM**



Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	%f	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	455	0	57	40	0	-	
130	no	no	no	no	0	0	779	0	71	39	0	723	
108	no	no	no	yes	21	0	847	0	71	39	0	roof	
107	no	no	no	yes	20	0	867	0	71	41	0	roof	
137	no	no	no	no	23	1	875	0	70	40	0	801	
104	no	no	no	no	17	0	877	0	70	42	0	789	
151	no	no	no	yes	20	1	920	0	71	41	0	roof	
150	no	no	no	yes	23	1	931	0	71	42	0	roof	
124	no	no	no	no	0	0	990	0	69	41	0	894	
120	no	no	no	yes	20	1	993	0	68	44	0	812	
152	no	no	no	yes	20	0	1027	0	70	44	0	roof	
117	no	no	no	yes	1	1	1056	0	70	43	0	815	
122	no	no	no	yes	22	0	1110	0	70	45	0	950	
135	no	no	no	no	20	0	1110	0	71	41	0	920	
131	no	no	no	no	23	0	1114	0	72	43	0	853	
119	no	no	no	yes	0	0	1120	0	68	44	0	962	
128	no	no	no	yes	1	0	1172	0	72	40	0	1068	
103	no	no	no	yes	16	0	1193	0	70	41	0	995	
121	no	no	no	no	21	0	1270	0	70	46	0	-	reactivate unit ventilator
132	no	no	no	yes	22	0	1294	0	71	42	0	1168	inspect unit ventilator for fan speed and damper position
Average					15	0	1029	0	70	42	0	904	

School Name **Malcolm E. Nettingham Middle School**
 Inspection Type **Mold/Air Quality Inspection**
 Date of inspection **2/27/2025**

Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**

by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM**



Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	452	0	59	45	0		
219	no	no	no	no	1	3	548	0	73	39	0	452	
media center	no	no	no	yes	25	na	575	0	68	44	0	roof	
119f	no	no	no	yes	1	na	591	0	70	44	0	roof	
118	no	no	no	yes	6	na	622	0	69	51	0	roof	
110	no	no	no	yes	1	0	627	0	69	44	0	511	
115	no	no	no	yes	4	0	677	0	70	44	0	515	
302	no	no	no	yes	1	0	707	0	73	40	0	472	
203	no	no	no	yes	24	0	750	0	70	45	0	483	
119b	no	no	no	yes	18	na	756	0	68	49	0	roof	
207	no	no	no	yes	16	0	780	0	70	47	0	611	
206	no	no	no	yes	25	0	785	0	69	44	0	645	
212	no	no	no	yes	0	0	816	0	73	44	0	515	
201	no	no	no	yes	30	0	837	0	74	40	0	740	
103	no	no	no	yes	20	0	906	0	73	0	0	620	
311	no	no	no	yes	10	0	965	0	70	45	0	673	
215	no	no	no	yes	10	0	972	0	76	41	1	872	check damper position
307	no	no	no	yea	25	1	987	0	71	47	0	720	
104	no	no	no	yes	24	0	1021	0	72	45	0	830	
108	no	no	no	no	20	2	1052	0	71	50	0	off	reactivate unit ventilator
313	no	no	no	yes	20	0	1160	0	71	48	0	825	
318	no	no	no	yes	20	0	1180	0	72	44	0	735	increase fan speed
Average					14	0	788	0	71	42	0	619	

School Name **School One Elementary**

Inspection Type **Mold/Air Quality Inspection**

Date of inspection **2/27/2025**

Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**

by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHI**



Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	446	0	57	34	0	-	
103	no	no	no	yes	0	0	686	0	70	36	0	roof	
108	no	no	no	yes	0	0	714	0	70	37	0	roof	
105	no	no	no	yes	0	0	729	0	70	37	0	roof	
109	no	no	no	yes	0	0	744	0	70	40	0	roof	
112	no	no	no	yes	12	0	787	0	71	40	0	roof	
101	no	no	no	yes	3	0	789	0	72	37	0	roof	
110	no	no	no	yes	21	0	802	0	70	40	0	roof	
211	no	no	no	yes	24	0	893	0	72	39	0	roof	
213	no	no	no	yes	25	0	914	0	73	40	0	roof	
204	no	no	no	yes	0	0	961	0	74	38	0	roof	
209	no	no	no	yes	25	0	993	0	71	39	0	roof	
208	no	no	no	yes	25	0	1100	0	72	39	0	roof	
201	no	no	no	yes	13	1	1114	0	72	45	0	roof	
203	no	no	no	yes	22	0	1120	0	74	43	0	roof	
205	no	no	no	yes	22	0	1153	0	73	39	0	roof	
206	no	no	no	yes	24	0	1182	0	73	39	0	roof	
131T	no	no	no	no	9	0	1293	0	70	40	0	-	reactivate unit ventilator
Average					13	0	940	0	72	39	0	-	

School Name **Brunner Elementary**
 Inspection Type **Mold/Air Quality Inspection**
 Date of inspection **2/27/2025**

Inspected Reviewed and Finalized **Mr. Richard A. Lynch, MBA, CIH, CIEC**
 by: **Dr. Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM**



Location	General Observations						Average Room Measurements				Supply Measurements		
	visible mold	Musty Odors?	Visible Water Damage?	HVAC running	Actual students	Windows Open?	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	°F	Relative Humidity %	VOC	CO2 @ Supply	notes
outside	-	-	-	-	-	-	435	0	51	49	0	-	
127	no	no	no	yes	1	0	768	0	71	36	0	roof	
126	no	no	no	yes	0	0	787	0	70	35	0	roof	
124	no	no	no	yes	7	1	842	0	71	35	0	roof	
207	no	no	no	yes	1	0	877	0	72	37	0	855	
114	no	no	no	yes	10	0	964	0	71	40	0	892	
105	no	no	no	yes	0	1	1001	0	73	45	0	864	
204	no	no	no	yes	3	0	1030	0	73	31	0	972	
111	no	no	no	yes	17	0	1141	0	73	40	0	904	
206	no	no	no	yes	21	0	1159	0	72	38	0	1087	
113	no	no	no	yes	18	0	1162	0	70	40	0	1130	
205	no	no	no	yes	19	2	1203	0	74	39	0	987	inspect unit ventilator for fan speed and damper position
115	no	no	no	yes	22	0	1252	0	72	41	0	917	inspect unit ventilator for fan speed and damper position
112	no	no	no	yes	22	0	1392	0	73	40	0	1308	inspect unit ventilator for fan speed and damper position
121	no	no	no	no	0	0	1468	0	72	37	0	-	reactivate unit ventilator
210	no	no	no	yes	18	0	1499	0	73	37	0	1355	inspect unit ventilator for fan speed and damper position
211	no	no	no	yes	22	1	1597	0	73	38	0	1344	inspect unit ventilator for fan speed and damper position
Average					11	0	1134	0	72	38	0	1051	