THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

FACSIMILE: (754) 321-4285

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August 29, 2	016 Signature on File	For Custodial Supervisor Use Only
TO:	Charles McCanna, Principal Nova Blanche Forman Elementary	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Robert Krickovich, Coordinator, LEA Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On August 25, 2016, I conducted an assessment at **Nova Blanche Forman Elementary School**. Attached are findings and recommendations for further assessment, remediation, or corrective actions needed.

The IAQ assessment did identify one or more existing conditions impacting IAQ and has generated appropriate work orders to correct deficiencies in systems and maintenance that could contribute to decreased indoor air quality. At the time of the assessment, these concerns were not an immediate health or safety concern to building occupants. However, due to individual sensitivities and predisposing health factors, it is possible that some building occupants may elicit a health response to agents and / or conditions identified during the evaluation. Therefore, to further improve IAQ, prevent development of future IAQ-related problems, and to reduce the potential for IAQ-related complaints by building occupants, the IAQ Assessment Team recommends appropriate follow up of each item identified and listed in the attached evaluation.

Please ensure that your Head Facilities Serviceperson receives a copy of this correspondence so that the recommendations requiring their attention can be addressed. In an attempt to separate IAQ issues from general maintenance items, the attached assessment may contain direction for site based staff to generate a work order through COMPASS. Within two weeks a representative from the Custodial/Grounds Department will conduct a follow-up visit to ensure that all site based custodial issues have been appropriately addressed.

Should any questions arise, or if the current concerns continue after the attached recommendations have been addressed, please feel free to contact us at 754-321-4200.

RK:smn

Enc.

cc: Shelley Meloni, Director, Pre-Construction
Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division

Broward Teachers Union
Federation of Public Employees
Gerald Devio, Supervisor II Custodial
Benjamin Osborne, Supervisor II Custodial
Rich Volpi, Supervisor II Custodial
Mark Murray, Supervisor II Custodial
Sam Bays, Director, Maintenance Operations
Kurt Wirz, Area Manager Trades

No

Yes

N/A

Yes	Exhaust Fans Working	N/A	Unapproved Chemicals /
No	Drain Traps Wet	N/A	Cleaners in Room

Inside of Supply

Ceiling at Supply

Duct Clean

Grills Clean

Food if Stored in Room is

in Sealed Containers

Mechanical Equipment Location Roof Top Mechanical Room Clean N/A

Filters Installed Properly N/A Filters Clean N/A Inside of HVAC Unit Clean N/A

Condensate Pan Clean N/A Cooling Coil Clean N/A

Roof top ▼

None ▼

Musty Odor in room - Boxes and papers stored in room - Spotty microbial growth on shelving and walls - 6 stained ceiling tiles, 2 with microbial growth - Humidity elevated

Corrective Actions to be Completed by Site Based Staff

Walls Clean

Flooring Clean

Room Surfaces

Room Cluttered

Fresh Air Intake Location

Pollutant Sources Near Air

Clean

Intake

Observations

Yes

No

No

Yes

▼
▼
▼
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Corrective Actions to be Completed by PPO

Inside of Return

Duct Clean

Fresh Air Intake Free

of Obstruction

in Room

No

No

No

Yes

Corrective Actions to be completed by 110	
Evaluate and repair cause of stained ceiling tile	▼
Remove and replace stained ceiling tiles	▼
Evaluate and repair HVAC system as needed	▼
Repair HVAC to Reduce Humidity Levels	▼
Clean entire HVAC system - unit and drops	▼
	▼
	▼
	▼

Thoroughly clean and sanitize flooring	▼
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IAQ Assessment

Nova Blanche Elementary Eva	aluation Date August 25,	2016 Time of Day 1:3	3 PM
Outdoor Conditions Temperature 94.8	Relative Humidity 6	Ambient CO2 51	9
Fish Temperature Range Relative Hunge 851 74.1 72 - 78 80.0	midity Range 30% - 60%	CO² Range # Oc 1250 MAX 700 > Ambient	cupants 24
Noticeable Odor No Visible water do staining Ceiling 2' X 4' Lay in No		Amount of material affected 8 tiles @ Supply Gril	ls I
Walls Drywall No	No		
Floor 12" x 12" Vinyl			
Ceiling Clean Yes HVAC S Grills Cl Walls Clean Yes		HVAC Return Grills Clean	Yes
	f Supply ean No	Inside of Return Duct Clean	Yes
Room Surfaces Yes Ceiling a Clean Grills Cl	at Supply lean No		
Trash Removed Yes Exhaust Fans		Unapproved Chemicals / Cleaners in Room	No
Room Cluttered No Drain 1 Food if Stored in Sealed Conta	I NI/A I	Air Fresheners in Room	No
Mechanical Equipment Location BARD in room		Mechanical Room Clean	N/A
Filters Installed Properly N/A Filter	ers Clean N/A	Inside of HVAC Unit Clean	N/A
Condensate Pan Clean N/A Cooling C	oil Clean N/A		
Fresh Air Intake Location Outside of Unit		▼ Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake		▼	
Observations			
Inside of Supply grills dirty - inside of supply duct dir	rty - Humidity elevated - C	CO2 Elevated	
Corrective Actions to be Completed by Site Based S	taff Correctiv	e Actions to be Completed by PP	 o
Remove and replace stained ceiling tile @		nd repair HVAC system as needed	
HVAC Supply grills		/AC to Reduce Humidity Levels	
		pair HVAC to reduce CO2	▼

IAQ Assessment

Evaluation Date

Nova Blanche Elementary

August 25, 2016

Time of Day

1:33 PM

Outdoor Conditions Temperature 94.8	Relative Hum	dity 61.5	Ambient CO2 5	19
Fish Temperature Range Relative Hum 852 76.0 72 - 78 62.2	idity Range	400		ccupants 23
Noticeable Odor Visible water da staining?	illage /	sible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in No		No	0.00 %	
Walls Drywall Yes Floor 12" x 12" Vinyl No.		No No	2 Sq ft under windo	<u> </u>
No No		No No	L	
Ceiling Clean Yes HVAC Su Grills Cle			HVAC Return Grills Clean	Yes
Walls Clean Yes Inside of		s	Inside of Return	Yes
Flooring Clean Yes Duct Clean			Duct Clean	135
Room Surfaces Yes Ceiling a Grills Clean		s		
Trash Removed Yes Exhaust Fans	Working Ye	s	Unapproved Chemicals /	No
Signs of Pests No Drain To	aps Wet Ye	s		
Room Cluttered No Food if Stored in in Sealed Contain	N/	A	Air Fresheners in Room	No
Mechanical Equipment Location BARD in room			Mechanical Room Clean	N/A
Filters Installed Properly N/A Filter	s Clean N/	4	Inside of HVAC Unit Clean	N/A
Condensate Pan Clean N/A Cooling Co	il Clean N/	A		
Fresh Air Intake Location Outside of Unit		▼	Fresh Air Intake Free	Yes
Pollutant Sources Near Air Intake		▼	of Obstruction	
Observations				
Corrective Actions to be Completed by Site Based St	aff	Corrective Acti	ons to be Completed by PI	 PO
	▼ Ev	aluate and rep	air HVAC system as neede	d ▼
	▼		Reduce Humidity Levels supply grills and drops	▼
	▼	Olcali IIVAC	Sappij giliis alia alops	▼
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	▼			▼
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Corrective Actions to be Completed by Site Based Staff

Corrective / tellerie to be completed by the Buccu of	٠
Remove and replace stained ceiling tile	▼
If stains return, contact COMPASS for work order	▼
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Corrective Actions to be Completed by PPO

Corrective Actions to be Completed by FFO	
Evaluate and repair cause of stained ceiling tile	▼
Evaluate and repair HVAC system as needed	▼
Repair HVAC to Reduce Humidity Levels	▼
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Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be Completed by PPO

Evaluate and repair HVAC system as needed	▼
Repair HVAC to reduce CO2	▼
Evaluate and repair cause of stained ceiling tile	▼
	▼
	▼
	▼
	▼
	▼