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

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October 3, 20	17 Signature on File	For Custodial Supervisor Use Only
TO:	Anthony Valachovic, Principal Northeast High	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Daniel Meyer, Project Manger Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On September 28, 2017, I conducted an assessment at **Northeast High 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.

DM:smn Enc.

cc: Sam Bays, Director, Maintenance Operations Shelley Meloni, Director, Pre-Construction Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division Greg Neiman, Area Supervisor, Zone 1 Kurt Wirz, Area Manager Trades Gerald Devio, Supervisor II Custodial Benjamin Osborne, Supervisor II Custodial Mark Murray, Supervisor II Custodial Broward Teachers Union Federation of Public Employees

	IAQ Asse	essment	
	Northeast High Evaluation	Date September 28, 2017	Time of Day 8:30 AM
Outdoor Conditions Tem	perature 84.7 Rela	tive Humidity 86.1	Ambient CO2 450
FishTemperatureGYM70.1	RangeRelative Humidity72 - 7868.3	Range CO ² 30% - 60% 912	Range# OccupantsMAX 700 >+40Ambient
Noticeable Odor No	Visible water damage / staining?	/ Visible microbial growth?	Amount of material affected
CeilingOPENWallsPlasterFloorWood			
Ceiling Clean N/a Walls Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean Yes
Flooring Clean Yes	Inside of Suppl Duct Clean	y Yes	Inside of Return Yes
Room Surfaces Yes Clean	Ceiling at Supp Grills Clean	N/a	
Trash RemovedYesSigns of PestsNo	Exhaust Fans Workir Drain Traps W	/et N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners No
Room Cluttered No	Food if Stored in Room in Sealed Containers	N/A	in Room
Mechanical Equipment Locat	ion Hung from gymnasium ce	iling joists	Mechanical Room Clean N/A
Filters Installed Properly	Filters Clea Cooling Coil Clea		Inside of HVAC Unit Clean
Fresh Air Intake Location Pollutant Sources Near Air Intake	Thru exterior wall	▼ ▼	Fresh Air Intake Free of Obstruction
Observations			
	oor (roof leaks). Humidity slight	ly elevated.	

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Corrective Actions to be Completed by PPO

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	IAQ Assessr	ment		
	Northeast High Evaluation Dat	September 28, 2017	Time of Day 8:30	AM
Outdoor Conditions Temp	perature 84.7 Relative	e Humidity 86.1	Ambient CO2 450)
FishTemperatureAUD71.4		Range CO ² % - 60% 488	Range # Occ MAX 700 > Ambient	supants
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling Sound Panels	Νο	No		
Walls Plaster	Νο	No		
Floor Carpet	No	No		
Ceiling Clean N/a Walls Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Flooring Clean Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	N/a		
Trash Removed Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests No	Drain Traps Wet	N/A	Air Fresheners	No
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	in Room	
Mechanical Equipment Locati	on Not Accessible		Mechanical Room Clean	
Filters Installed Properly	Filters Clean	In	side of HVAC Unit Clean	
Condensate Pan Clean	Cooling Coil Clean			
Fresh Air Intake Location	Thru exterior wall	V	Fresh Air Intake Free	
Pollutant Sources Near Air Intake		▼	of Obstruction	
Observations				
dehumidifiers and air-scrubb	cane Irma. North Area Maintenance ers in place running 24/7. locked in the open position N.A.		-	

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Corrective Actions to be Completed by PPO

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	IAQ Assess	ment		
No	ortheast High Evaluation Date	te September 28, 2017	Time of Day 8:3	80 AM
Outdoor Conditions Temper	ature 84.7 Relative	e Humidity 86.1	Ambient CO2 4	50
		Range CO ² % - 60% 662	Range # Oo MAX 700 > Ambient	ccupants +30
Noticeable Odor Yes	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling2' X 4' Lay inWallsPlasterFloorCarpet	Yes No No	No No	5 tiles	
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Flooring Clean Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	Yes		
Trash Removed Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests No Room Cluttered No	Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment Location	FISH #402 & 405		Mechanical Room Clean	Yes
Filters Installed Properly	Filters Clean	No	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean Yes	s Cooling Coil Clean	Yes		
Fresh Air Intake Location Pollutant Sources Near Air Intake	Over top of exterior mechanic	cal room door ▼ ▼	Fresh Air Intake Free of Obstruction	Yes
Observations				
5 water stained tiles. High humi replace but the CHW insulation		photos for the filters. A	ppears CHW valves have	been

Replace A/C filters	▼
Install proper filters, tape and date.	▼
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Corrective Actions to be Completed by PPO

Repair cause of stained ceiling tile	▼
Install new ceiling tile upon repair, cuts needed	▼
Repair HVAC to Reduce Humidity Levels	▼
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	IAQ Assess	ment		
North	neast High Evaluation Dat	September 28, 2017	Time of Day 8:3	30 AM
Outdoor Conditions Temperate	ure 84.7 Relative	Humidity 86.1	Ambient CO2 4	50
Fish Temperature Ran 151 73.5 72 -		Range CO ² % - 60% 1528		25
Noticeable Odor Yes	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling2' X 4' Lay inWallsPlasterFloorCarpet	No No	Yes No No	Classroom	
Ceiling Clean Yes Walls Clean Yes Flooring Clean Yes	HVAC Supply Grills Clean Inside of Supply Duct Clean	Yes	HVAC Return Grills Clean Inside of Return Duct Clean	Yes
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	Yes		
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A N/A N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
Mechanical Equipment Location Filters Installed Properly No Condensate Pan Clean Yes	FISH #158 Filters Clean Cooling Coil Clean	No Yes	Mechanical Room Clean Inside of HVAC Unit Clean	Yes Yes
Bollutant Sources Near Air	Thru exterior wall	▼	Fresh Air Intake Free of Obstruction	Yes
Observations Ceiling tiles in classroom should in classroom. High CO2 level in cl		ve microbial growth o	r extremely dirty.) High hu	umidity

Replace A/C filters	▼
Install proper filters, tape and date.	▼
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Corrective Actions to be Completed by PPO

Replace ceiling tiles	▼
Repair HVAC to reduce CO2 level in classroom	▼
Evaluate fresh dampers in the mechanical room	▼
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