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

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December 22	, 2017	Signature on File	For Custodial Supervisor Use Only
TO:	Frank Zagari, Principal Indian Ridge Middle		Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Alison Witoshynsky, P Environmental Health		
SUBJECT:	Indoor Air Quality (IA	Q) Assessment	

On December 21, 2017, I conducted an assessment at **Indian Ridge Middle 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.

AW: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

Multiple Room IAQ Assessment								
India	n Ridge Middle S	chool Evaluation Da	ate Decer	mber 21,	, 2017	Time of Day	1	1:20
Outdoor Conditions	Temperature	85.1 Relativ	e Humidit	y 57	′ .1	Ambient CO	2 5	71
Fish # of rooms a		, 512, 513						
Temperature Range i	n the Rooms Asse	ssed was Between	73.1	And	76.3	Acceptable Range	72 - 7] '8
Relative Humidity	Range in the Room	is Assessed was Between	39.1	And	62.4	Acceptable Range	30% -	60%
Co ² Range in the Ro	ooms Assessed v	was between	592	And	2594	Acceptable Range	MAX 7 Ambi	
FISH 502: Three cut	vall " Vinyl I areas of peeling tiles and one ful	Visible water damage / staining? Yes No No paint on upper portion I tile stained near windo upon initial observation	gr [[of window w @ SW.	Existing	area. Dry	-	ected (4 CT) air.	
Ceiling Clean [Walls Clean [Flooring Clean [Room Surfaces [Clean [No Yes No No	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	Yes Yes No			HVAC Retu Grills Clea Inside of R Duct Clean	n eturn	No Yes
Trash Removed	Yes	Exhaust Fans Working	N/A			napproved Cher leaners in Room		No
Signs of Pests	No Yes	Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A N/A			Air Fresheners in Room		No
Interiors of all lapto or replace. Cardboa	p computer carts ard boxes and ex	elevated and horizontal are dusty. Dust is pres cess papers present in s lebris in corners near ca	ent on cei some clas	ling tile: srooms.	s around . Floors I	ceiling supply have large con	grills; c centrati	clean on of

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Multiple	Room IAQ Assessment	
Indian Ridge Middle School	Evaluation Date December 21, 201	7 Time of Day 1:20
Outdoor Conditions Temperature 85.1	Relative Humidity 57.1	Ambient CO2 571
HVAC System Mechanical Equipment Location BARD in each Filters Installed Properly Yes Condensate Pan Clean Yes Cool	Room Filters Clean No ng Coil Clean No	Mechanical Room CleanN/AInside of HVAC Unit CleanYesN/A in this section = Not Accessible
Fresh Air Intake Location Pollutant Sources Near Air Intake	▼	Fresh Air Intake Free
FISH 505 has existing work order JW32368 for A rooms in the building. In addition, the hallwa	-	

Observations

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All observed AC filters were dirty and needed to be changed except FISH 510, which is currently only being utilized for testing. Outside metal cabinet and return grill at unit dusty in most rooms. The condensate drain for most HVAC
units is directed so that the condensate collects in the vanes of the fresh air intake cover. Also, the stucco at the
bottom portion of the fresh air intake is cracked.

Corrective Actions to be Completed by Site Based Staff

ce 🔻	Clean dust from ceiling tiles or replace	
ile 🔻	Remove and replace stained ceiling tile	
k order ∎	If stains return, contact COMPASS for work order	
erly 🔻	Ensure ceiling tiles are installed proper	
urfaces 🔻	Thoroughly dust/clean elevated/elevated su	
carts 🛛 🔻	Thoroughly dust/clean interior of laptop of	
ots 🔻	Floor needs sweep/vacuum in tight spo	
•	Remove and replace A/C Filters	
excide 🔻	Clean Hvac Cabinet & Return Grill With We	
ter 🔻	Encourage Occupant To Reduce Clutte	
▼	Remove Cardboard Boxes	
Lids 🔻	Store Items In Plastic Containers With L	
▼		

	Corrective Actions to be Completed by PPO		
▼	Evaluate and repair HVAC system as needed		
▼	(include FISH 505 and hallway)		
▼	Repair HVAC to Reduce CO2 Levels		
▼	Evaluate fresh air damper at HVAC		
▼	Evaluate and repair cause of stained ceiling tile		
▼	Install new ceiling tile upon repair, cuts needed		
▼	Repair stucco at exterior fresh air intake cover		
▼	Redirect condensate drain to outside		
▼	Evaluate And Repair Cause Of Water Damaged		
▼	Wall Material		
▼	Remove And Replace Wall Material As Needed		
▼			
▼			

Corrective Actions to be Completed by PPO