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

## **TELEPHONE (754) 321-4200**

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A 1117 001		
April 17, 201	7 Signature on File	For Custodial Supervisor Use Only
TO:	Roberta Ray, Principal	Custodial Issues Addressed
	Tamarac Elementary	Custodial Issues Not Addressed
FROM:	Daniel Meyer, Project Manger Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On April 7, 2017, I conducted an assessment at **Tamarac 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.

DM: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 Mark Murray, Supervisor II Custodial Sam Bays, Director, Maintenance Operations Kurt Wirz, Area Manager Trades

	L.	AQ Assessmen	t		
Tama	arac Elementary	Evaluation Date	April 7, 2017	Time of Day 10:	20 AM
Outdoor Conditions Tem	perature 69.7	Relative Hur	midity 38.3	Ambient CO2 4	41
FishTemperature10170.1	RangeRelative72 - 7849	Humidity         Range           0.8         30% - 6			ccupants 12
Noticeable Odor No	Visible wate stain	a damage /	isible microbial growth?	Amount of material affected	
Ceiling2' X 4' Lay inWallsPlasterFloor12" x 12" Vinyl			No No		
Ceiling CleanYesWalls CleanYesFlooring CleanYesRoom Surfaces CleanYes	Grill Insic Duct Ceili	le of Supply Clean	′es ′es	HVAC Return Grills Clean Inside of Return Duct Clean	No Yes
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	Dra	in Traps Wet	′es ′es I/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No Yes
Mechanical Equipment Locat Filters Installed Properly Condensate Pan Clean	Yes		′es	Mechanical Room Clean Inside of HVAC Unit Clean	No Yes
Fresh Air Intake Location Pollutant Sources Near Air Intake	Ducted to roof-to	qq	<ul><li>▼</li></ul>	Fresh Air Intake Free of Obstruction	Yes
Observations Remove stored item in the M	lechanical Room. Cle	an return air grills			

Corrective Actions to be Completed by Site Based Staff

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## Corrective Actions to be Completed by PPO

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	IAQ Assess	ment		
Та	marac Elementary Evaluation Date	te April 7, 2017	Time of Day 10:	20 AM
Outdoor Conditions Te	emperature 69.7 Relative	e Humidity 38.3	Ambient CO2 4	41
FishTemperature14267.8		Range         CO <sup>2</sup> % - 60%         986	Range # O MAX 700 > Ambient	ccupants 20
Noticeable OdorYeCeiling2' X 4' Lay inWallsPlaster/ParticFloor12" x 12" Viny	n Yes on No	Visible microbial growth? No No	Amount of material affected 2 tiles	
Ceiling CleanYesWalls CleanYesFlooring CleanYesRoom SurfacesNo	HVAC Supply Grills Clean	Yes Yes	HVAC Return Grills Clean Inside of Return Duct Clean	No Yes
Clean Trash Removed Yes	Grills Clean	Yes	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests No Room Cluttered Yes	Drain Traps Wet Food if Stored in Room is in Sealed Containers	Yes	Air Fresheners in Room	Yes
Mechanical Equipment Loc	cation FISH #153		Mechanical Room Clean	No
Filters Installed Properly	Yes Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes Cooling Coil Clean	Yes		
Fresh Air Intake Location Pollutant Sources Near Air Intake	Ducted to roof-top Standing water at time of ass	essment V	Fresh Air Intake Free of Obstruction	Yes
Observations				
Replace old stained ceilin	g tiles. Return air grills need to be cle	eaned. Ceiling tiles aro	und the supply grills nee	d to be

Replace old stained celling tiles. Return air grills need to be cleaned. Celling tiles around the supply grills need to be cleaned or replaced. Reduce items in the classroom so it can be cleaned properly. Remove stuffed animals. Room surfaces need to be wiped. Remove equipment and items stored in the Mechanical Room. Auxiliary drain pan under the air handler was full of nasty water.

Corrective Actions to be Completed by Site Based Staff

Remove items stored in the Mech. Room	▼
Vacuum/wipe return grills	▼
Replace stained ceiling tiles	▼
Reduce items in classroom	•
Clean ceilings around HVAC supply grills	•
Vacuum/wipe return grills Replace stained ceiling tiles Reduce items in classroom	•
	•
	▼

Corrective Actions to be Completed by PPO

Clean Aux. drain pan	▼
Ceiling tile cuts needed around supply vents	▼
	▼
	▼
	▼
	▼
	▼
	▼