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

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

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August 31, 20	017 Signature on File	For Custodial Supervisor Use Only
TO:	Wendy Borowski, Principal Silver Ridge Elementary	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Alison Witoshynsky, Project Manager Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On August 31, 2017, I conducted an assessment at **Silver Ridge 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.

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

	IAQ Assess	ment	
Silver Ric	dge Elementary Evaluation Da	te August 28, 2017	Time of Day 12:15 PM
Outdoor Conditions Temp	perature 907 Relative	e Humidity 63.4	Ambient CO2 438
FishTemperature80376.9		Range CO <sup>2</sup> % - 60% 495	
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling2' X 4' Lay inWallsDrywallFloor12" x 12" Vinyl	Yes No No	No No	1 CT, needs cut (J815011)
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	Νο	HVAC Return Grills Clean No
Flooring Clean Yes	Inside of Supply Duct Clean	N/A	Inside of Return Duct Clean
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	N/a	
Trash Removed Yes	Exhaust Fans Working	Yes	Unapproved Chemicals / Cleaners in Room
Signs of PestsNoRoom ClutteredYes	Drain Traps Wet Food if Stored in Room is in Sealed Containers	Yes N/A	Air Fresheners No in Room
Mechanical Equipment Location	on FISH 804		Mechanical Room Clean No
Filters Installed Properly	Yes Filters Clean	Yes	Inside of HVAC Unit Clean Yes
Condensate Pan Clean	Yes Cooling Coil Clean	No	
Fresh Air Intake Location Pollutant Sources Near Air	Thru exterior wall	▼ ▼	Fresh Air Intake Free Yes
Intake Observations			
	th wall upper by A/C vents reporte und supply grill.	ed by occupant/facilitie	es. Grills still dusty on inside.

Corrective Actions to be Completed by Site Based Staff

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## Corrective Actions to be Completed by PPO

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Clean HVAC supply grills and drops	
Clean HVAC return grills and drops	▼
Remove and replace stained ceiling tiles	▼
Install new ceiling tile upon repair, cuts needed	
(J815011)	▼
Repair HVAC to Reduce Humidity Levels	▼
(J771126)	
	▼

	IAQ Assess	ment		
Silver F	Ridge Elementary Evaluation Da	te August 28, 2017	Time of Day 12:15 PM	М
Outdoor Conditions Ter	nperature 907 Relativ	e Humidity 63.4	Ambient CO2 438	]
FishTemperatureP-404P75.0	RangeRelative Humidity72 - 7863.530	Range CO <sup>2</sup> % - 60% 926		
Noticeable Odor Yes	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling2' X 4' Lay inWallsTack Board	Yes Yes	Yes	12 CT, light lense	
Floor 12" x 12" Vinyl	No	No		
Ceiling Clean No Walls Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	es
Flooring Clean Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	es
Room Surfaces No Clean	Ceiling at Supply Grills Clean	Yes		
Trash Removed Yes	Exhaust Fans Working	Yes	Unapproved Chemicals / N Cleaners in Room	lo
Signs of Pests No Room Cluttered Yes	Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A No	Air Fresheners Ye	es
Mechanical Equipment Loca	ation Window unit		Mechanical Room Clean	/A
Filters Installed Properly	Yes Filters Clean	Yes	Inside of HVAC Unit Clean	es
Condensate Pan Clean	N/A Cooling Coil Clean	Yes		
Fresh Air Intake Location Pollutant Sources Near Air Intake	Thru exterior wall	<ul><li>▼</li></ul>	Fresh Air Intake Free Ye	es
Observations				
Classroom. A/C (2) leaking	under units. East unit is ~ 3' W x 8	' H; West unit is ~1.5' x	8'H. East A/C is off, West A/C	; is

operating. Two ceiling tiles missing near center of room with light lens down and leaking from roof. Other light lenses show signs of water pooling and staining. Stained ceiling tiles observed on South edge of portable. Blinds are dusty, other surfaces have dust. Room is cluttered with books and other items. Air fresheners throughout.

Corrective Actions to be Completed by Site Based Staff

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Corrective Actions to be Completed by PPO

Repair HVAC to Reduce Humidity Levels	▼
Evaluate and repair cause of stained ceiling tile	▼
& stained light lenses	▼
Install new ceiling tile upon repair, cuts needed	▼
Clean light interior and lense with Wexcide	▼
Evaluate and repair cause of water damaged	▼
wall material	▼
Remove and replace wall material as needed	▼