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

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February 12,	2018 Signature on File	For Custodial Supervisor Use Only
TO:	Rick Rodriguez, Principal Sea Castle Elementary	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Alison Witoshynsky, Project Manager Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On February 8, 2018, I conducted an assessment at **Sea Castle 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 Asses	sment		
Sea Ca	astle Elementary Evaluation D	Date February 8, 2018	Time of Day 12:30) PM
Outdoor Conditions Tem	nperature 82.9 Relati	ve Humidity 72.9	Ambient CO2 428	3
FishTemperature13875.7	RangeRelative Humidity72 - 7867.03	Range CO ² 80% - 60% 1046		cupants 6
Noticeable OdorNoCeiling2' X 4' Lay inWallsDrywallFloor12" x 12" Vinyl	Visible water damage / staining? No No No	Visible microbial growth? No No	Amount of material affected	
Ceiling CleanNoWalls CleanYesFlooring CleanNoRoom Surfaces CleanYes	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	No N/A	HVAC Return Grills Clean Inside of Return Duct Clean	Yes N/A
Trash RemovedYesSigns of PestsNoRoom ClutteredYes	Exhaust Fans Working Drain Traps We Food if Stored in Room is in Sealed Containers	t N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
Mechanical Equipment Loca Filters Installed Properly Condensate Pan Clean	tion FISH 124 Yes Filters Clean Yes Cooling Coil Clean	Yes Yes	Mechanical Room Clean Inside of HVAC Unit Clean	Yes Yes
Fresh Air Intake Location Pollutant Sources Near Air Intake	Roof top No	▼	Fresh Air Intake Free of Obstruction	Yes

Observations

Occupants report mold odors within the room. The room is cluttered with books, cardboard boxes, and papers. Light layer of dust is present around the supply grills on the ceiling tiles. Tight corners of the floor and on horizontal surfaces has light to medium dust layer. Previously inspected this room in July 2017. Observed wet wall material directly adjacent to the windows. Appears that the sprinkler head is directed at the wall/window and may be contributing to water intrusion. Wall materials were all dry during this inspection.

Corrective Actions to be Completed by Site Based Staff

Clean dust from ceiling tiles or replace	▼
Floor needs mop/vacuum along walls/corners	▼
Encourage occupant to reduce clutter	▼
Thoroughly clean horizontal surfaces	▼
Remove cardboard boxes; store items in plastic	▼
Adjust head(s) on sprinklers; direct away from	▼
buildings	▼
-	▼

Corrective Actions to be Completed by PPO

pair HVAC system as needed 🛛 🔻	Evaluate a
to Reduce Humidity Levels	Repair I
resh air damper at HVAC ▼	Eval
vindows from outside	С
needed around supply vents	Ceiling til
v	
v	
▼	

	IAQ Assessi	nent		
Sea Cas	tle Elementary Evaluation Dat	e February 8, 2018	Time of Day 12:	30 PM
Outdoor Conditions Temp	erature 82.9 Relative	Humidity 72.9	Ambient CO2 42	28
FishTemperature20671.4		Range CO ² % - 60% 1191		cupants 8
Noticeable OdorNoCeiling2' X 4' Lay inWallsDrywallFloor12" x 12" Vinyl	Visible water damage / staining?	Visible microbial growth? No No	Amount of material affected 2 missing @ exhaus	st
Ceiling Clean No Walls Clean Yes Flooring Clean Yes	No HVAC Supply Grills Clean Inside of Supply Duct Clean	No No N/A	HVAC Return Grills Clean Inside of Return Duct Clean	No N/A
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	Νο		
Trash RemovedYesSigns of PestsNoRoom ClutteredYes	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
	on FISH 200C Yes Filters Clean Yes Cooling Coil Clean	Yes Yes	Mechanical Room Clean Inside of HVAC Unit Clean	Yes Yes
Fresh Air Intake Location Pollutant Sources Near Air Intake Observations	Roof top No	▼	Fresh Air Intake Free of Obstruction	Yes

Occupants report mold odors within the room. FISH 206 is the kitchen, FISH 206H (kitchen managers office) and 206J (dry storage) are adjacent. FISH 206J and portions of 206 are cluttered with cardboard boxes. Light layer of dust is present around the supply grills on the ceiling tiles. Light dust layer on supply grills and on surrounding ceiling tiles. 2 small cut ceiling tiles missing near exhaust. FISH 206H needs to be vacuumed/dusted. The filter in the return in the hallway 005 @ door to 008 is very dirty and needs to be replaced.

Corrective Actions to be Completed by Site Based Staff

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▼
V
V
V
▼
▼
▼

Corrective Actions to be Completed by PPO

Evaluate and repair HVAC system as needed
Repair HVAC to Reduce CO2 Levels
Repair HVAC to Reduce Humidity Levels
Evaluate fresh air damper at HVAC
Ceiling tile cuts needed around supply vents
Clean HVAC supply grills and drops