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

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May 25, 2017	Signature on File	For Custodial Supervisor Use Only
TO:	Michelle Kefford, Principal Flanagan High	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Alison Witoshynsky, Project Manager Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On May 24, 2017, I conducted an assessment at **Flanagan 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.

AW: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

Encourage occupant to reduce clutter	
Thoroughly clean elevated & horizontal surfaces	
Thoroughly vacuum & clean stained carpet	▼
Remove return grill and vacuum	▼
Clean HVAC Return Grill with Wexcide	▼
Remove supply grill, vacuum & clean back side	▼
Evaluate supply duct for dust, clean as needed	▼
Remove live plants from room	•

Evaluate HVAC coil for cleaning	▼
Clean interior of unit, near blower	▼
	▼
	▼
	▼
	▼
	▼
	▼

IAQ Assessment

Flanagan, Charles V	V. High Evaluation Date	te May 24, 2017	Time of Day 1:10
Outdoor Conditions Temperature	93.4 Relative	e Humidity 56.7	Ambient CO2 468
Fish Temperature Range 532A 72.9 72 - 78	i	Range CO ² 666	Range # Occupants MAX 700 > 0 Ambient
Noticeable Odor Yes Ceiling Concrete Walls Drywall	Visible water damage / staining?	Visible microbial growth? Yes Yes	Amount of material affected growth at upper corner (~1SF) growth at upper corner (~1SF)
Floor Quarry Tile	No Yes	No	~30 SF stained
Ceiling Clean No Walls Clean No Flooring Clean No Room Surfaces No Clean	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	N/a N/A	HVAC Return Grills Clean Inside of Return Duct Clean N/A
Trash Removed No Signs of Pests No Room Cluttered Yes	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A N/A	Unapproved Chemicals / No Cleaners in Room Air Fresheners in Room
Mechanical Equipment Location FIS Filters Installed Properly Yes Condensate Pan Clean Yes	H 529 (2 units) Filters Clean Cooling Coil Clean	No No	Mechanical Room Clean Yes Inside of HVAC Unit Clean Yes
Pollutant Sources Near Air	of top readily accessible	▼	Fresh Air Intake Free of Obstruction
Observations			
Organic Chemical Storage Room. Acid odor near storage cabinet. Roo Spotty growth on entry door frame, o dusty/debris over everything. Cardb chemicals present, not properly store	lust layer between frame a oard boxes in room. Not a	and door. Dust on uppe	er wall area near ceiling. Layer of

Corrective Actions to be Completed by Site Based Staff

Science dept. personnel should inventory items	▼
and chemicals.	▼
Document items requested for removal/disposal	▼
Room too cluttered to clean properly	▼
Remove cardboard boxes	▼
Thoroughly clean ALL surfaces	▼
Remove, replace, & date A/C Filters	▼
	▼

Corrective Actions to be Completed by PPO

Contourve Actions to be completed by 110	
Evaluate and repair exhaust fans	▼
Clean exhaust grills	▼
Evaluate/Repair HVAC dampers & exhaust	▼
interlocks	▼
Evaluate HVAC coil for cleaning	▼
	▼
	▼
	▼

IAQ Assessment

Flanagan, Charles V	V. High Evaluation Date	May 24, 2017	Time of Day 1	:10
Outdoor Conditions Temperature	93.4 Relative	Humidity 56.7	Ambient CO2 4	68
Fish Temperature Range 532B 76.5 72 - 78		Range CC 672		0 0
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling Concrete	No	No		
Walls Drywall	No	No		
Floor Quarry Tile	Yes	No	~30 SF stained	
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	N/a	HVAC Return Grills Clean	N/a
Flooring Clean No	Inside of Supply Duct Clean	N/A	Inside of Return Duct Clean	N/A
Room Surfaces No Clean	Ceiling at Supply Grills Clean	N/a		
Trash Removed No	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests No	Drain Traps Wet	N/A	Air Frankanara	- Na
Room Cluttered Yes	Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment Location FIS	Mechanical Equipment Location FISH 529 (2 units)			
Filters Installed Properly Yes	Filters Clean	No	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean Yes	Cooling Coil Clean	No		
Fresh Air Intake Location Roc	of top	▼	Fresh Air Intake Free	N/A
Pollutant Sources Near Air Intake	readily accessible	▼	or obstruction	
Observations				
Non-Organic Chemical Storage Room. Room may not be venting properly. Exhaust fan grills rusted/dirty. Spotty growth on entry door frame, dust layer between frame and door. Dust on upper wall area near ceiling. Layer of dusty/debris over everything. Cardboard boxes in room. Not all items stored on shelves. Trash and unused chemicals present, not properly stored.				
Corrective Actions to be Completed	hy Sita Rasad Staff	Corrective Acti	ons to be Completed by PE	20

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Onrective Actions to be completed by 1.1.6	
Evaluate and repair exhaust fans	▼
Clean exhaust grills	▼
Evaluate/Repair HVAC dampers & exhaust	▼
interlocks	▼
Evaluate HVAC coil for cleaning	▼
	▼
	▼
	▼