

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

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December 18, 2017

Signature on File

TO: John LaCasse, Principal
Nova High

FROM: Alison Witoshynsky, Project Manager
Environmental Health & Safety Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

<u>For Custodial Supervisor Use Only</u>	
<input type="checkbox"/>	Custodial Issues Addressed
<input type="checkbox"/>	Custodial Issues Not Addressed
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On December 14, 2017, I conducted an assessment at **Nova 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: 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 Assessment

Nova High

Evaluation Date December 14, 2017

Time of Day 12:55 PM

Outdoor Conditions Temperature 71.3

Relative Humidity 48.2

Ambient CO2 413

Fish	Temperature	Range	Relative Humidity	Range	CO ²	Range	# Occupants
332	66.4	72 - 78	48.3	30% - 60%	1027	MAX 700 > Ambient	~40
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
Yes		Yes		No		3 cut ceiling tiles (North wall)	
Ceiling	2' X 4' Lay in		Yes	No			
Walls	Plaster / Drywall		No	No			
Floor	Carpet / VCT		No	No			

Ceiling Clean	No	HVAC Supply Grills Clean	No	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	No
Flooring Clean	Yes	Ceiling at Supply Grills Clean	No		
Room Surfaces Clean	No				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	N/A	Air Fresheners in Room	No
Room Cluttered	Yes	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 333	Mechanical Room Clean	Yes
Filters Installed Properly	No	Filters Clean	No
Condensate Pan Clean	No	Cooling Coil Clean	No
		Inside of HVAC Unit Clean	No

Fresh Air Intake Location	Thru exterior wall	Fresh Air Intake Free of Obstruction	No
Pollutant Sources Near Air Intake	No		

Observations

One HVAC for entire building; complains of variable temps at end of HVAC supply lines. Close to Mech room very cold and furthest away is hot. Musty odor observed in the media center was also observed in the mechanical room and surrounding computer labs. HFSP reports that the power was out for approx. 5 days during Hurricane IRMA. However, the odor has been present for a period of time before the hurricane. Heavy dust on top of the books and on shelves. Also on light frames & ceiling tiles surrounding supply grills. Interior of the HVAC system is very dusty and dirty, the filters stick out the side (look long) and the fresh air intake is packed with dust/debris.

Corrective Actions to be Completed by Site Based Staff

Clean dust from ceiling tiles or replace	▼
Remove and replace stained ceiling tile	▼
If stains return, contact COMPASS for work order	▼
Cuts needed, if cannot complete call in work order	▼
Clean Supply Grills with Wexcide	▼
Thoroughly clean elevated / horizontal surfaces	▼
Vacuum top of books and book shelves	▼
	▼

Corrective Actions to be Completed by PPO

Evaluate and repair HVAC system as needed	▼
Set Temperature to 72 - 78 degrees	▼
Clean entire HVAC system, inside unit	▼
Evaluate carpet for replacement	▼
	▼
	▼
	▼
	▼