

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

TELEPHONE (754) 321-4200

FACSIMILE: (754) 321-4285

September 25, 2015

Signature on File

TO: Carol Lesser, Principal
Nova Eisenhower Elementary

FROM: Robert Krickovich, LEA
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 September 21, 2015, I conducted an assessment at **Nova Eisenhower 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.

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

RK/je
Enc.

IAQ Assessment

Nova Eisenhower Elementary

Evaluation Date September 21, 2015

Time of Day 2:00 PM

Outdoor Conditions Temperature 89.3 Relative Humidity 65.7 Ambient CO2 400

Fish	Temperature	Range	Relative Humidity	Range	CO ²	Range	# Occupants
851	74.5	72 - 78	52.7	30% - 60%	1370	MAX 700 > Ambient	24
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
<input type="checkbox"/> No		<input type="checkbox"/> No		<input type="checkbox"/> No		<input type="text"/>	
Ceiling	<input type="text" value="2' X 4' Lay in"/>		<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="text"/>		
Walls	<input type="text" value="Drywall"/>		<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="text"/>		
Floor	<input 12"="" type="text" value="12" vinyl"="" x=""/>		<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="text"/>		
Ceiling Clean	<input type="checkbox"/> Yes	HVAC Supply Grills Clean	<input type="checkbox"/> Yes	HVAC Return Grills Clean	<input type="checkbox"/> Yes		
Walls Clean	<input type="checkbox"/> Yes	Inside of Supply Duct Clean	<input type="checkbox"/> Yes	Inside of Return Duct Clean	<input type="checkbox"/> Yes		
Flooring Clean	<input type="checkbox"/> Yes	Ceiling at Supply Grills Clean	<input type="checkbox"/> Yes				
Room Surfaces Clean	<input type="checkbox"/> No						
Trash Removed	<input type="checkbox"/> Yes	Exhaust Fans Working	<input type="checkbox"/> Yes	Unapproved Chemicals / Cleaners in Room	<input type="checkbox"/> No		
Signs of Pests	<input type="checkbox"/> No	Drain Traps Wet	<input type="checkbox"/> Yes	Air Fresheners in Room	<input type="checkbox"/> No		
Room Cluttered	<input type="checkbox"/> No	Food if Stored in Room is in Sealed Containers	<input type="checkbox"/> N/A				
Mechanical Equipment Location	<input type="text" value="BARD outside"/>			Mechanical Room Clean	<input type="checkbox"/> N/A		
Filters Installed Properly	<input type="checkbox"/> Yes	Filters Clean	<input type="checkbox"/> No	Inside of HVAC Unit Clean	<input type="checkbox"/> N/A		
Condensate Pan Clean	<input type="checkbox"/> N/A	Cooling Coil Clean	<input type="checkbox"/> N/A				
Fresh Air Intake Location	<input type="text" value="Outside of Unit"/>			Fresh Air Intake Free of Obstruction	<input type="checkbox"/> Yes		
Pollutant Sources Near Air Intake	<input type="text" value="None"/>						

Observations

Complaint of muggy feel to room most days and mold on base board and above ceiling - Found Dirt / wax / debris on base boards - two small spots of microbial growth above ceiling at west wall 2 square inches each, at 16' and 20' from back door - Dust on shelves of book cases - HVAC Filters dirty.

Corrective Actions to be Completed by Site Based Staff

Thoroughly clean horizontal surfaces	▼
Clean debris from base boards	▼
Remove and replace A/C Filters	▼
	▼
	▼
	▼
	▼
	▼
	▼

Corrective Actions to be Completed by PPO

Evaluate and repair cause of stained ceiling tile	▼
Remove / Replace water damage drywall above ceiling tiles at west wall	▼
Repair HVAC to reduce CO2	▼
Repair HVAC to Reduce Humidity Levels	▼
	▼
	▼
	▼
	▼