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

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

#### FACSIMILE: (754) 321-4285

September 22	, 2016	Signature on File	For Custodial Supervisor Use Only
TO:	Carla Hart, Principal Larkdale Elementary		Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Daniel Meyer, Project M Environmental Health &	0	
SUBJECT:	Indoor Air Quality (IAQ	2) Assessment	

On September 21, 2016, I conducted an assessment at **Larkdale 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.

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

IAQ Assessment				
Larkdale	Elementary Evaluation Dat	e September 21, 2016	Time of Day 10:0	00 AM
Outdoor Conditions Tempera	ture 85.7 Relative	e Humidity 80.1	Ambient CO2 42	25
		Range         CO <sup>2</sup> % - 60%         1138		cupants
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling2' X 4' Lay inWallsDrywallFloor12" x 12" Vinyl	No No	No No		
Ceiling CleanYesWalls CleanYes	HVAC Supply Grills Clean Inside of Supply	No	HVAC Return Grills Clean Inside of Return	No
Flooring Clean Yes	Duct Clean	Yes	Duct Clean	Yes
Room Surfaces No	Ceiling at Supply Grills Clean	Yes		
Trash Removed No	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests No Room Cluttered Yes	Drain Traps Wet Food if Stored in Room is in Sealed Containers	Yes N/A	Air Fresheners in Room	Yes
Mechanical Equipment Location	Roof Top		Mechanical Room Clean	N/A
Filters Installed Properly Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean Yes	Cooling Coil Clean	Yes		
Fresh Air Intake Location Pollutant Sources Near Air Intake	Back of the unit No	<ul><li>▼</li></ul>	Fresh Air Intake Free of Obstruction	Yes
Observations				
Teacher no longer in this classro Rat traps in classroom. Room ne				

Corrective Actions to be Completed by Site Based Staff

Concerne Actions to be completed by one based e	/tun
Thoroughly Clean Classroom	▼
Clean Supply Grills with Wexcide	▼
Vacuum/wipe return grill	▼
Call work order for pest control	▼
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# Corrective Actions to be Completed by PPO

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IAQ Assessment				
Larkdale	Elementary Evaluation Dat	e September 21, 2016	Time of Day 10:	00 AM
Outdoor Conditions Tempera	ature 85.7 Relative	Humidity 80.1	Ambient CO2 4	25
		Range         CO <sup>2</sup> % - 60%         892	Range # Oo MAX 700 > Ambient	22
Noticeable Odor     No       Ceiling     2' X 4' Lay in       Walls     Drywall	Visible water damage / staining? No	Visible microbial growth? No No	Amount of material affected	
Floor12" x 12" VinylCeiling CleanYesWalls CleanYesFlooring CleanYesRoom SurfacesYes	No HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply	No No Yes	HVAC Return Grills Clean Inside of Return Duct Clean	No Yes
Clean Trash Removed Yes	Grills Clean Exhaust Fans Working	Yes N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests   No     Room Cluttered   No	Drain Traps Wet Food if Stored in Room is in Sealed Containers	Yes N/A	Air Fresheners in Room	No
Mechanical Equipment Location Filters Installed Properly Yes Condensate Pan Clean Yes		Yes I Yes	Mechanical Room Clean nside of HVAC Unit Clean	N/A Yes
Fresh Air Intake Location Pollutant Sources Near Air Intake	Back of the unit No	<ul><li>▼</li></ul>	Fresh Air Intake Free of Obstruction	Yes
Observations Found no signs of microbial gro need to be cleaned.	wth. Classroom felt stuffy. Hun	nidity level slightly elev	rated. Supply and return	grills

Corrective Actions to be Completed by Site Based Staff

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Clean Supply Grills with Wexcide	▼
Vacuum/wipe return grill	▼
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	▼
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# Corrective Actions to be Completed by PPO

Repair HVAC to Reduce Humidity Levels	▼
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