

managing risk with responsibility

Aston A. Henr Risk Managem	ry, Director nent Department	Telephone: Fax:	754 321-1900 754 321-1917	
August 8, 2013	•	For Custodial S	l Supervisor Use Only	
TO:	Jocelyn Reid, Principal Deerfield Park Elementary School		ues Addressed ues Not Addressed	
FROM:	Robert Krickovich, Coordinator I, LEA Risk Management Department			
SUBJECT:	Indoor Air Quality (IAQ) Assessment	-		

On August 7, 2013, I conducted an assessment at **Deerfield Park 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 754-321-1907.

cc: Shelley Meloni, Task Assigned Chief Facilities & Construction Officer, Facilities & Construction Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division Roy Norton, Manager, Custodial/Grounds, Physical Plant Operations Division Aston Henry, Director, Risk Management Sonja Coley, Senior Project Manager, Facilities & Construction Broward Teachers Union Federation of Public Employees

RK/tc Enc.

IAQ Assessment

Deerfield Park Elementary Eva	luation Da	August	7, 2013	Time of Day	3:00
Outdoor Conditions Temperature 85.1	Relativ	e Humidity	80.2	Ambient CO2	501
Fish Temperature Range Relative Hunge 509 72.1 72 - 78 74.4	i	Range)% - 60%	CO ² 453	Range # (MAX 700 > Ambient	Occupants 2
Noticeable Odor No Visible water d		Visible mi growt	0.0.0.0.	Amount of material affected	
Ceiling Drywall No		No			
Walls Drywall No		No			
Floor Quarry Tile No		No			
Ceiling Clean No HVAC S Grills Cl		No		HVAC Return Grills Clean	No
	f Supply ean	Yes		Inside of Return Duct Clean	Yes
Room Surfaces No Ceiling a Clean Grills Cl	at Supply ean	No			
Trash Removed Yes Exhaust Fans	_	Yes		Unapproved Chemicals Cleaners in Room	/ No
	raps Wet	Yes		Air Fresheners	No
Room Cluttered No Food if Stored in Sealed Conta		Yes		in Room	
Mechanical Equipment Location FISH 517				Mechanical Room Clean	Yes
. ,]	rs Clean	Yes		Inside of HVAC Unit Clean	Yes
Condensate Pan Clean No Cooling C	oil Clean	Yes			
Fresh Air Intake Location Roof top			▼	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake			▼	or obstruction	
Observations					
4 dead cockroaches on floor - Minor spotty microbial walls, vinyl table cloth, and on bakers table - Dust an return grills.					
Humidity levels elevated - standing water in condens water pipe leaking on floor	ate pan -	water in seco	ondary pan	under unit - valve on c	hilled
Corrective Actions to be Completed by Site Based S	aff	Correc	tive Action	ns to be Completed by F	РРО
Thoroughly clean all surfaces	 ▼]	Repa		reduce humidity level	▼
Clean ceilings around HVAC supply grills	▼			aking water valve	▼
Clean HVAC supply and return grills with Wexcide Discard vinyl table cloth	▼			aking HVAC unit o drain condensate	▼
Discard viriyi table ciotii	 			order for pest control	-
	▼	23110		The second of th	▼
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IAQ Assessment

Deerfield Park E	lementary Evaluation Date	te August 7, 2013	Time of Day 3:00
Outdoor Conditions Temperat	ure 85.1 Relative	Humidity 80.2	Ambient CO2 501
Fish Temperature Ran 509G 72.8 72 -		Range <u>C0</u> ² % - 60 %	
Noticeable Odor Yes	Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling 2' X 4' Lay in	No	No	
Walls Drywall	No	Yes	2 sq ft left of Supply grill
Floor Quarry Tile	No	No	
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	No	HVAC Return Grills Clean
Flooring Clean No	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean Yes
Room Surfaces No Clean	Ceiling at Supply Grills Clean	No	
Trash Removed Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room
Signs of Pests No	Drain Traps Wet	N/A	Ala Farahanan
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners No in Room
Mechanical Equipment Location	FISH 517		Mechanical Room Clean Yes
Filters Installed Properly Yes	Filters Clean	Yes	Inside of HVAC Unit Clean Yes
Condensate Pan Clean No	Cooling Coil Clean	Yes	
Fresh Air Intake Location	Roof top	▼	Fresh Air Intake Free Of Obstruction Yes
Pollutant Sources Near Air Intake	None	▼	of Obstruction res
Observations			
Musty odor in room - microbial gr spotty microbial growth on wall le surfaces - Chairs will need to be o	eft of HVAC supply grill over w	vindow - heavy dust o	

need to be disposed of.

Humidity levels elevated - standing water in condensate pan - water in secondary pan under unit - valve on chilled water pipe leaking on floor

Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be completed by one based of	u
Thoroughly clean all surfaces	
Clean ceilings around HVAC supply grills	▼
Clean HVAC supply and return grills with Wexcide	▼
Clean wood furniture and monitor	▼
Discard cloth chairs	▼
Clean spotty growth from wall	▼
	▼
	▼

Corrective Actions to be Completed by PPO

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Repair HVAC to reduce humidity
Repair leaking water valve
Repair leaking HVAC unit
Pitch unit to drain condensat
A/C in building 6 still having prob
Humidity 64% in room 603
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