

managing risk with responsibility

Aston A. Henry, Director
Risk Management Department

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August 8, 2013	Signature on File	For Custodial Supervisor Use Only
TO:	Oslay Gil, Principal Riverland Elementary School	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Robert Krickovich, Coordinator I, LEA Risk Management Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On August 8, 2013, I conducted an assessment at **Riverland 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 Assessr	nent		
Riverland B	Elementary Evaluation Date	e August 8, 2013	Time of Day	1:30
Outdoor Conditions Tempera	ture 92.3 Relative	Humidity 66.3	Ambient CO2 4	92
FishTemperatureRai75071.072		Range CO % - 60% 588		ccupants 4
Noticeable OdorNoCeiling2' X 4' Lay inWallsDrywallFloor12" x 12" Vinyl	Visible water damage / staining? Yes Yes No	Visible microbial growth? No Yes No	Amount of material affected 11 stained 2 sq ft	
Ceiling CleanYesWalls CleanYesFlooring CleanYesRoom SurfacesYesCleanYes	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	Yes Yes	HVAC Return Grills Clean Inside of Return Duct Clean	Yes N/A
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	Yes Yes N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
Mechanical Equipment Location Filters Installed Properly No Condensate Pan Clean N/A	Bard unit on exterior Filters Clean Cooling Coil Clean	No N/A	Mechanical Room Clean Inside of HVAC Unit Clean	N/A No
Fresh Air Intake Location Pollutant Sources Near Air Intake	Outside of Unit Parking lot	▼	Fresh Air Intake Free of Obstruction	Yes
Observations				
Sign on entry door says 780 - Ro	w of ceiling tiles in center of ro	om stained (roof has	s been repaired) - Water da	maged

Sign on entry door says 780 - Row of ceiling tiles in center of room stained (roof has been repaired) - Water damaged wall in 750A, restroom behind toilet - Glass mat filters installed in HVAC unit - Filters dirty - filters falling out of filter rack - 2 sq ft water damaged drywall above ceiling on west wall 6 feet out from restroom door (minor microbial growth less than 1 sq ft total)

Corrective Actions to be Completed by Site Based Staff

Remove and replace stained ceiling tiles	▼
Remove and replace A/C filters	▼
Clean drywall above ceiling at west wall	▼
	▼
	▼
	▼
	▼
	▼

Corrective Actions to be Completed by PPO

▼
▼
▼
▼
▼
▼
▼
▼

	IAQ Assessr	ment		
Riverland	Elementary Evaluation Dat	e August 8, 2013	Time of Day	:30
Outdoor Conditions Tempera	ature 92.3 Relative	Humidity 66.3	Ambient CO2 49	92
		Range CO % - 60% 489		2
Noticeable OdorNoCeiling2' X 4' Lay inWallsDrywallFloor12" x 12" Vinyl	Visible water damage / staining? Yes No No	Visible microbial growth? No No No	Amount of material affected 11 stained ceiling tile	es
Ceiling CleanYesWalls CleanYesFlooring CleanYesRoom Surfaces CleanYes	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	Yes Yes	HVAC Return Grills Clean Inside of Return Duct Clean	Yes N/A
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	Yes Yes N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
Mechanical Equipment Location Filters Installed Properly No Condensate Pan Clean N/A		No N/A	Mechanical Room Clean Inside of HVAC Unit Clean	N/A No
Fresh Air Intake Location Pollutant Sources Near Air Intake	Outside of Unit Parking lot	▼ ▼	Fresh Air Intake Free of Obstruction	Yes
Observations				

Sign on entry door says 781 - Row of ceiling tiles in center of room stained (roof has been repaired) - Water damaged wall in 751A, restroom behind toilet - minor microbial growth on wall left of toilet - Glass mat filters installed in HVAC unit - Filters dirty - filters falling out of filter rack -Three ceiling tiles were replaced by FSP with tiles that already had microbial growth on them from where they are stored. (removed during assessment)

Corrective Actions to be Completed by Site Based Staff

	▼
	▼
	▼
	▼
	▼
Clean wall in restroom left of toilet	▼
Remove and replace A/C filters	▼
Remove and replace stained ceiling tiles	▼

Corrective Actions to be Completed by PPO

50 - 2' x 4' ceiling tiles (pinhole) ▼	Provide 50 -
ceiling tiles at heat detectors (2)	Replace ceil
water damaged wall in restroom	Replace wat
e school with the proper A/C filters	Provide the sc
▼	
▼	
▼	
▼	