

Aston A. Henry, Supervisor Risk Management Department

managing risk with responsibility

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November 10), 2009	Signature on File	Fo		
TO:		ra Shipman, Principal /iddle School			
FROM:		rickovich, Coordinator, LEA and Construction Management			
SUBJECT:	Indoor Ai Portable '	ir Quality (IAQ) Assessment 70			

For Custodial Supervisor Use Only						
	Custodial Issues Addressed					
	Custodial Issues Not Addressed					

On October 28, 2009 I conducted an assessment of Portable 70 at **Sunrise Middle School**. This evaluation included observations of the flooring system, ceiling tiles, false ceiling plenum, environmental surfaces, interior and exterior walls, and the accessible ventilation equipment. Additionally, environmental parameter measurements were taken to include temperature, relative humidity, and carbon dioxide. The detailed findings, along with the recommended corrective action can be found on the attached IAQ Assessment Worksheets.

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 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 me at 754-321-1638.

cc: Dr. Leontine Butler, Area Superintendent Dr. Desmond Blackburn, Area Director Jeffrey S. Moquin, Executive Director, Support Operations Aston Henry, Supervisor, Risk Management Matt Decker, Project Manager, Facilities and Construction Management Jerrod Neal, Broward Teachers Union Roy Jarrett, Federation of Public Employees Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1 Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division

RK/tc Enc.

			IAQ As	sessment	Location I	Number	0251		
Sunrise Middle			dle School	School		Evaluation Requested		October 15, 2009	
Time of Day	2:00 pm				Eval	luation Date	October	28, 2009	
Outdoor Cond	litions Te	emperature	86	Relative Humidity	/ 70.4	Ambie	nt CO2	433	
Fish	Temperature	Range Re	elative Humidity	Range	CO2	Ran	ige #	Occupants	
P-70	76	72 - 78	48.9	30% - 60%	1381	Max 700	> Ambient	18	
Noticeable Oo	dor No	da	Visible water amage / staining	Visible micro growth?		Amount or naterial affect			
Ceiling Type	2 x 4 La	y In	No	No			None		
Wall Type	Homas	ote	Yes	No		Unde	er A/C units		
Flooring	12 x 12 V	/inyl	No	No			None		
	Clean	Minor Dus / Debris	t Needs Cleaning		Correctiv	ve Action Re	equired		
Ceiling	Yes	No	No						
Walls	No	Yes	Yes		Repair/rep	blace wall m	aterial		
Flooring	Yes	No	No						
HVAC Supply	Grills Yes	No	No						
HVAC Return	Grills Yes	No	No						
Ceiling at Sup Grills	oply				N/A - Wa	all mounted	unit		
Surfaces in R	oom No	Yes	Yes		Clean	as appropri	ate		

Observations

Findings:

- Both A/C units were set for no fresh air at the time of the assessment. Adjustments to the units were made during the assessment.

- Elevated moisture content in wall under both A/C units
- Elevated moisture content in tack boards and behind white board/marker board
- Dust build up on environmental surfaces throughout the room

Site Based Maintenance:

- Thoroughly clean all surfaces in the room

- Ensure that both A/C units remain on during occupied hours and are adjusted properly for fresh air

- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate

Physical Plant Operations:

- Evaluate for cause of water intrusion in all walls and repair as appropriate
- Remove and replace water damaged wall material under both A/C units.
- Remove and replace wet tack boards
- Remove white board/marker board and replace wall material as appropriate