

Aston A. Henry, Supervisor Risk Management Department

managing risk with responsibility

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March 12, 2010	Signature on File
TO:	Ms. Debra Patterson, Principal Gulfstream Middle School
FROM:	Edward See, Project Manager Risk Management Department
SUBJECT:	Indoor Air Quality (IAQ) Assessment Portable 1037PK

Fo	or Custodial Supervisor Use Only
	Custodial Issues Addressed
	Custodial Issues Not Addressed

On February 19, 2010, I conducted an assessment of Portable 1037PK at **Gulfstream 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 754-321-1900.

cc:	Dr. Joel Herbst, Area Superintendent				
	Dr. Gina Eyerman, Area Director				
	Jeffrey S. Moquin, Executive Director, Support Operations				
	Aston Henry, Supervisor, Risk Management				
	Steve Dowling, Project Manager, Facilities and Construction Management				
	Jamie Daniels, 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				
	Robert Krickovich, Coordinator, LEA, Facilities and Construction Management				
ES/tc					
Enc.					

			IAQ Ass	essment	Location Number	3931		
	G	ulfstream Middle	e School		Evaluation Requested	February 16, 2010		
Time of Day	3:20 pm]			Evaluation Date	February 19, 2010		
Outdoor Conditions Temperature 71.1 Relative Humidity 19.8 Ambient CO2 443								
Fish	Temperature	Range Relat	ive Humidity	Range	CO2 Ran	ge # Occupants		
P-1037PK	72.5	72 - 78	43.5	30% - 60%	1096 Max 700	> Ambient 2		
Noticeable Od	lor Yes	-	isible water age / staining?	Visible microl ? growth?	bial Amount o material affec			
Ceiling Type	2 x 4 Lay	In	Yes	No	1 c	eiling tile		
Wall Type	Wood Par	nels	No	No		None		
Flooring	12 x 12 V	nyl	No	No		None		
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action Re	quired		
Ceiling	No	Yes	Yes	R	emove and replace ce	iling tile		
Walls	Yes	No	No					
Flooring	Yes	No	No					
HVAC Supply	Grills Yes	No	No					
HVAC Return	Grills Yes	No	No					
Ceiling at Sup Grills	ply Yes	No	No					
Surfaces in Ro	oom Yes	No	No					

Observations

Findings

- Non-approved chemicals in room - air freshener (causing odor in room). Could not locate.

- 1 stained ceiling tile
- South A/C return filter not fitted properly
- Exhaust fan on West wall not operating properly with openings to outside air
- Classroom is not occupied. Occupant utilized a mold home kit.
- Apparent leak at restroom toilet valve

Site Based Maintenance:

- Remove non-approved chemicals from room (air freshener). Avoid use of air fresheners as they contain chemicals that are a source of allergies.

- Remove and replace stained ceiling tile. If stain returns contact COMPASS to generate a work order for Physical Plant Operations to evaluate for cause.

- Remove and replace South A/C filter and ensure that it is cut properly to avoid air bypass

- Advise staff that mold home kits only show the obvious -- mold spores are ubiquitous. For mold to grow or amplify it requires water, a food source, temperature and oxygen. EPA advises to control mold, control moisture.

- Contact COMPASS to generate a work order to repair restroom toilet

- 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 exhaust fan on West wall for proper operation and repair as appropriate. Seal around exhaust fan to prevent outside air from entering classroom.