

managing risk with responsibility

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Jeffrey S. Moquin, Director Risk Management Department

March 17, 2008	Signature on File	For Custodial Supervisor Use Only			
TO:	Ms. Ann Andersen-Kowalski, Principal Stoneman Douglas High	Custodial Issues Addressed Custodial Issues Not Addressed			
FROM:	Aston A. Henry, Supervisor Risk Management Department				
SUBJECT:	Indoor Air Quality (IAQ) Assessment FISH 422				

On February 20, 2008 I conducted an assessment of FISH 422 at **Stoneman Douglas High**. 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. 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 754-321-3200.

Dr. Joanne Harrison, Area Superintendent
 David Hall, Area Director
 Jeffrey S. Moquin, Director, Risk Management
 Paul Bach, Project Manager, Facilities and Construction Management
 Gary Itzkowitz, 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

AH/tc Enc.

	Stone	eman Douglas	High School		Evaluation	Requested [Februa	ry 5, 2008
Time of Day	12:35 pm				Eva	luation Date	Februai	ry 20, 2008
Outdoor Cond	litions T	emperature	82.1	Relative Humidity	49.4	Ambie	nt CO2	466
Fish	Temperature	Range	Relative Humidity	Range	CO2	Ran	ge #	Occupants
422	72.6	72 - 78	52.2	30% - 60%	2443	Max 700	> Ambien	t 25
Noticeable O	dor No		Visible water damage / staining	Visible micro g? growth?		mount of mat affected		
Ceiling Type	2 x 4 L	ay In	Yes	No		3 ce	eiling tiles	
Wall Type	Dryw	/all	No	No			None	
Flooring	Carp	et	No	No			None	
	Clean	Minor Du / Debri		ı	Correctiv	e Action Re	quired	
Ceiling	No	Yes	Yes	R	emove and	l replace sta	ined tile	
Walls	No	Yes	Yes		Clean	as appropria	ate	
Flooring	Yes	No	No					
HVAC Supply	Grills Yes	No	No					
HVAC Return	Grills Yes	No	No					
Ceiling at Sup Grills	oply Yes	No	No					
Surfaces in R	oom No	Yes	Yes		Clean	as appropria	ate	
hearvations								

IAQ Assessment

3011

Location Number

Observations

Findings:

- CO2 level was elevated at the time of the assessment. Return air register is not functioning.
- 3 stained ceiling tiles
- Dust build up on walls and environmental surfaces. Spider webs in Northwest corner.

Recommendations:

Site Based Maintenance:

- Thoroughly clean all walls and environmental surfaces
- 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 HVAC system for proper operation and repair as appropriate to lower CO2. Evaluate return air register for proper operation.
- Evaluate cause of stained ceiling tiles and repair as appropriate. Replace stained ceiling tiles.