

# managing risk with responsibility

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Jeffrey S. Moquin, Director Risk Management Department

May 2, 2006 Signature on File

TO: Ms. Kathryn Collins, Principal

**Monarch High School** 

FROM: Kenneth I. Partee, Project Manager

Occupational Health and Environmental Control

Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

**FISH 264A** 

On April 20, 2006 I conducted an assessment of FISH 264A at **Monarch High 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.

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.

cc: Dr. Joanne Harrison, Area Superintendent
Sharon Airaghi, Area Director
Jeffrey S. Moquin, Director, Risk Management
Sam Bays, Project Manager, Facilities and Construction Management
Jamie Daniels, Broward Teachers Union
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

KP/tc Enc.

		Monarch Hiç	gh School		Evaluation R	equested	April 19	, 2006
Time of Day 12:15 pm					Evalua	ation Date	April 20	, 2006
Outdoor Condi	tions Ter	mperature	89.8	Relative Humidity	40.9	Ambient	t CO2	535
l		Range Rela	ative Humidity	Range	CO2	Range	e # C	Occupants
264A	71.6	72 - 78	54.7	30% - 60%	826	Max 700 >	Ambient	1
Noticeable Odor No			Visible water Visible micr damage / staining? growth		affected			
Ceiling Type	Ceiling Type 2 x 4 Lay In		No	No	None		lone	
Wall Type	e Plaster		Yes	Yes		1' x 2' section		
Flooring	Carpet		No	No		None		
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective	Action Req	uired	
Ceiling	Yes	No	No			_		
Walls	No	Yes	Yes	CI	lean with We	ith Wexcide disinfectant		
Flooring	No	Yes	Yes		Clean a	and sanitize	;	
HVAC Supply	Grills Yes	No	No					
HVAC Return (	Grills Yes	No	No					
Ceiling at Supp Grills	ply Yes	No	No					
Surfaces in Ro	oom Yes	No	No					
Observations								
<ul><li>Visible microbia</li><li>Minor stains or</li></ul>	ial growth on So	outh wall (264A).		es. Area was not be dry using protimeter.	used at the ti	me of the as	sessment.	

**IAQ Assessment** 

3541

**Location Number** 

Humidity elevated over outside reading

### Recommendations:

## Site Based Maintenance:

- Clean walls with Wexcide disinfectant solution to remove microbial growth and monitor area for return of growth.
- Clean and sanitize carpet to remove stains
- 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 humidity level