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January 1	1, 2007
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TO:	Ms. Deborah Davey, Principal
	Miramar High School

- FROM: Robert J. Krickovich, Coordinator, LEA Facilities and Construction Management, Environmental Division
- SUBJECT: Indoor Air Quality (IAQ) Assessment Portable 1219

On January 8, 2007 Richard Rosa conducted an assessment of Portable 1219 at **Miramar 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 754-321-1638.

cc: Sam Gregg, Area Superintendent Jacquelyn Box, Area Director Jeffrey S. Moquin, Director, Risk Management Rey Olivera, Project Manager, Facilities and Construction Management Steve Feldman, Broward Teachers Union Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1 Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division

RK/tc Enc.

		IAQ Assessment		Locati	Location Number 1751			
Miramar High School			Evaluat	Evaluation Requested December 18, 2006				
Time of Day	10:10 am	]			l	Evaluation Date	January	/ 8, 2007
Outdoor Cond	itions Ter	nperature 8	33.7	Relative Hum	idity 63.2	2 Ambie	nt CO2	441
Fish	Temperature	Range Rela	tive Humidity	Range	CO2	Ran	nge #	Occupants
P-1219	75	72 - 78	57	30% - 60%	539	Max 700	> Ambient	2
Noticeable Oc	dor No		/isible water age / staining		nicrobial wth?	Amount of ma affected	terial	
Ceiling Type	Homaso	te	Yes	Ν	0	1 s	quare foot	
Wall Type	Panelin	g	No	Ν	0	None		
Flooring	12 x 12 Vi	nyl	No	Ν	0		None	
	Clean	Minor Dust / Debris	Needs Cleaning	l	Corre	ctive Action Re	equired	
Ceiling	No	Yes	Yes	Rem	nove and rep	place ceiling m	aterial (1 s	q. ft.)
Walls	Yes	No	No					
Flooring	Yes	Νο	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 No	Yes	Yes		Cle	an as appropri	ate	

# Observations

## Findings:

- No signs of water intrusion or microbial growth
- One square foot of ceiling material is stained. Ceiling was dry at the time of the assessment.
- Air conditioning was not on at the time of the assessment
- One HVAC supply grill, of four, is slightly rusted
- Minor dust build up on elevated surfaces and in lower corner areas

## Recommendations:

## Site Based Maintenance:

- Ensure that air conditioning remains on during school hours
- Clean elevated surfaces and move obstacles from corners to properly clean
- 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 cause of stained ceiling material and repair as appropriate. Repair/replace stained ceiling material as necessary (one square foot).

- Replace HVAC supply grill that is slightly rusted