

managing risk with responsibility

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June 10, 2008	Signature on File						
TO:	Mr. Michael Breslaw, Principal Deerfield Beach Elementary School						
FROM:	Robert Krickovich, Coordinator, LEA Facilities and Construction Management						
SUBJECT:	Indoor Air Quality (IAQ) Assessment FISH 930						

Custodial Issues Addressed
Custodial Issues Not Addressed

On April 28, 2008 I conducted an assessment of FISH 930 at **Deerfield Beach Elementary 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. 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. Joanne Harrison, Area Superintendent David Hall, Area Director Jeffrey S. Moquin, Director, Risk Management Marshall Washington, Project Manager, Facilities and Construction Management Lynn Cavall, Broward Teachers Union Roy Jarrett, National Federation of Public and Private Employees Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1 Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division

RK/tc Enc.

IAQ Assessment							Locatio	on Number	0011		
	Dee	erfield E	each Elem	entary Schoo	bl			Evaluat	ion Requested	April 23, 2008	
Time of Day	1:30) pm]					E	Evaluation Date	April 2	28, 2008
Outdoor Condi	tions	Ter	nperature	82.9	Rel	ative Hu	midity	60.7	Ambie	nt CO2	419
Fish	Tempera	iture	Range	Relative Hun	nidity	Range		CO2	Ran	ige #	Occupants
930	82.2	2	72 - 78	56.6	309	% - 60%		448	Max 700	> Ambien	t 4
Noticeable Od	lor	No]	Visible w damage / sta			e micro rowth?	bial	Amount of ma affected	terial	
Ceiling Type		Drywa	I	No]		No			None	
Wall Type		Drywa	I	No]		No		None		
Flooring		Concret	e	No]		No		None		
	-	lean	Minor D / Debr	is Clea	eds ining				ctive Action Re	•	
Ceiling	L	No	Yes	Y	es			Rep	air as appropri	ate	
Walls	Ľ	No	Yes] Ye	es			Rep	air as appropri	ate	
Flooring	Ľ	No	Yes	Y	es			Clea	an as appropri	ate	
HVAC Supply	Grills [N/A		
HVAC Return	Grills [N/A		
Ceiling at Sup Grills	ply [N/A		
Surfaces in Ro	oom [No	Yes	Y	es			Clea	an as appropri	ate	

Observations

Findings:

- Room is a storage/receiving area/golf cart storage

- Overhead garage door is open to the outdoors and room has no A/C , only exhaust fan
- Paint is peeling from ceiling and walls
- Stained ceiling tiles in FISH 930A and 930B possible roof leak
- FISH 930B is office area with A/C running. Door to the office was open to FISH 930 allowing unconditioned air into 930B.
- Wallboard in office is severely water damaged from condensation
- Dust and debris on floor
- Dust build up on environmental surfaces throughout the room

Recommendations:

Site Based Maintenance:

- Keep door to FISH 930B closed while A/C is running
- Clean and sanitize floor
- Clean environmental surfaces throughout the room
- 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 tiles in **FISH 930A and 930B** and repair as appropriate. Remove and replace stained ceiling tiles.

- Scrape, clean, seal and paint all surfaces throughout the building
- Remove and replace damaged wall material in FISH 930B