

managing risk with responsibility

Aston A. Henry, Supervisor
Risk Management Department

754 321-1900 Telephone: Fax:

754 321-1917

November 10, 2009		Signature on File	For Custodial Supervisor Use Only
TO:		l D. Knabb, Principal <b>rk Elementary School</b>	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:		ckovich, Coordinator, LEA nd Construction Management	
SUBJECT:	Indoor Aiı FISH 206J	Quality (IAQ) Assessment	

On October 26, 2009 I conducted an assessment of FISH 206J at Central Park 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. 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 754-321-1638.

cc: Dr. Leontine Butler, Area Superintendent Michaelle Pope, Area Director Jeffrey S. Moquin, Executive Director, Support Operations Aston Henry, Supervisor, Risk Management Gerry Usallan, Project Manager, Facilities and Construction Management Ralph Eckhardt, 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

RK/tc Enc.

		IAQ As	sessment	Location Number	2641	
	Central Park El	ementary School		Evaluation Requested	October 15, 2009	
Time of Day 10	:00 am			Evaluation Date	October 26, 2009	
Outdoor Conditions	Temperatu	ire 83.3	Relative Humidity	/ 69 Ambi	ent CO2 464	
Fish Tempe	erature Range	Relative Humidity	Range	CO2 Ra	nge # Occupants	
206J	71 <b>72 - 78</b>	76.6	30% - 60%	602 Max 70	<b>D &gt; Ambient</b> 2	
Noticeable Odor	No	Visible water damage / stainin	Visible micro g? growth?			
Ceiling Type	2 x 4 Lay In	Yes	Yes	3	ceiling tiles	
Wall Type	Drywall	Yes	Yes		various	
Flooring	Quarry Tile	No	No		None	
		r Dust Needs ebris Cleaning	]	Corrective Action R	Required	
Ceiling	No	es Yes	F	Remove and replace o	eiling tile	
Walls	Νο	Yes	C	Clean with Wexcide disinfectant		
Flooring	Yes	No				
HVAC Supply Grills	s Νο Υ	Yes	C	Clean with Wexcide dia	sinfectant	
HVAC Return Grills	Νο	Yes	C	Clean with Wexcide dia	sinfectant	
Ceiling at Supply Grills	Νο	Yes Yes		Clean as approp	riate	
Surfaces in Room	Yes	lo No				

## Observations

## Findings:

- Visible microbial growth on walls above and below ceiling. Visible growth on 1 ceiling tile.
- Visible microbial growth and dust build up on HVAC supply and return grills and ceiling at supply grills
- Elevated moisture content in wall back left corner of room over floor drain, both walls 3 feet out from corner and up 6 feet.
   Humidity level was elevated
- Condensation dripping from insulated A/C lines above ceiling. Occupant advised previously reported to Physical Plant Operations.

## Site Based Maintenance:

- Clean HVAC supply and return grills with Wexcide disinfectant solution

- 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:

- Clean walls above and below ceiling level to remove microbial growth and paint with anti-microbial paint.

- Evaluate cause of elevated moisture content in wall - back left corner over floor drain - and repair as appropriate. Remove and replace 36 square feet of wall material.

- Evaluate and repair cause of condensation dripping from insulated A/C lines. Remove and replace stained and damaged ceiling tiles as necessary.

Evaluate HVAC system for proper operation and repair as appropriate to lower humidity level