

managing risk with responsibility

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March 27, 2009	Signature on File
TO:	Ms. Carol Roland, Principal McArthur High School
FROM:	Richard Rosa, Project Manager II Facilities and Construction Management
SUBJECT:	Indoor Air Quality (IAQ) Assessment FISH 1201, 1201A, 1301 and 1301A

For Custodial Supervisor Use Only					
	Custodial Issues Addressed				
	Custodial Issues Not Addressed				
-					

On March 11, 2009 during a routine asbestos inspection, it was necessary for me to conduct an indoor air quality assessment of FISH 1201, 1201A, 1301 and 1301A at **McArthur 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. 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. 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 754-321-1637.

cc: Dr. Joel Herbst, Area Superintendent Dr. Gina Eyerman, Area Director Jeffrey S. Moquin, Executive Director, Support Operations Julio Gonzalez, Assistant Principal Frank Girardi, Project Manager, Facilities and Construction Management Diane Watts, 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

RR/tc Enc.

				IAQ As	sessment	Loca	tion Number	0241	
			McArthu	r High School		Evalua	ation Requested		
Time of Day							Evaluation Date	March	11, 2009
Outdoor Conc	ditions	Те	mperature		Relative Hum	idity	Ambie	nt CO2	
Fish	Tempera	ature	Range	Relative Humidity	Range	CO2	Ran	ige #	# Occupants
1201A			72 - 78		30% - 60%		Max 700	> Ambien	it 🗌
Noticeable O	dor	Yes]	Visible water damage / staining		microbial wth?	Amount of ma affected	terial	
Ceiling Type				No	N	lo		None	
Wall Type				Yes	N	lo		None	
Flooring				No	N	lo		None	
	С	lean	Minor D / Debri			Corr	ective Action Re	equired	
Ceiling	[Yes	No	No					
Walls	[No	Yes	Yes			See below		
Flooring	[Yes	No	No					
HVAC Supply	/ Grills [Yes	No	No					
HVAC Return	Grills	Yes	No	No					
Ceiling at Su Grills	pply [Yes	No	No					
Surfaces in R	loom [Yes	No	No					

Observations

Findings:

During a 6-month routine asbestos inspection it was found that the AHU room and FISH 1201 had an overwhelming odor. Coil cleaning was requested from Physical Plant Operations and completed. The odor was still prevalent and duct cleaning was requested from Physical Plant Operations and completed. After the coil and duct cleaning the odor in the room did not improve.
Indoor and outdoor parameters were not taken at the time of the visit

- Wall material showed signs of deterioration and moisture

- During an inspection by Physical Plant Operations it was determined that the installation of dampers is required

Recommendations:

Site Based Maintenance:

- Assistant principal advised to remove occupants from room on 3/26/09 so work as outlined could be facilitated

Physical Plant Operations:

- Remove air handler unit from FISH 1201A and advise Facilities Environmental Division when completed

- Facilities Environmental Division will secure a contractor to remove wall material as necessary to determine cause of odor

- Coordinate with Facilities Environmental Division to perform put back of wall material as necessary

- Evaluate room for installation of dampers

			IAQ As	sessment	Loca	tion Number	0241	
		McArthur	r High School		Evalua	ation Requested		
Time of Day						Evaluation Date	March	11, 2009
Outdoor Conc	ditions	Temperature		Relative Humi	dity	Ambie	ent CO2	
Fish	Temperature	Range	Relative Humidity	Range	CO2	Ran	nge #	^e Occupants
1301A		72 - 78		30% - 60%		Max 700	> Ambien	t
Noticeable O	dor Yes	3	Visible water damage / staining	Visible n grov		Amount of ma affected	terial	
Ceiling Type			No	No	D		None	
Wall Type			Yes	No	0		None	
Flooring			No	No	D		None	
	Clean	/ Debri	s Cleaning		Corr	ective Action Re	equired	
Ceiling	Yes	No	No					
Walls	No	Yes	Yes			See below		
Flooring	Yes	No	No					
HVAC Supply	/ Grills Yes	No	No					
HVAC Return	Grills Yes	No	No					
Ceiling at Su Grills	pply Yes	No	No					
Surfaces in R	loom Yes	No	No					

Observations

Findings:

- During a 6-month routine asbestos inspection it was found that the AHU room and FISH 1301 had a slight odor. Coil cleaning was requested from Physical Plant Operations and completed. The odor was still prevalent and duct cleaning was requested from Physical Plant Operations and completed.

- Indoor and outdoor parameters were not taken at the time of the visit

- Wall material showed signs of deterioration and moisture

- During an inspection by Physical Plant Operations it was determined that the installation of dampers is required

- Work in FISH 1301 and 1301 can be scheduled to be done over the summer

Recommendations:

Site Based Maintenance:

- 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:

- Remove air handler unit from FISH 1301A over the summer and advise Facilities Environmental Division when completed

- Facilities Environmental Division will secure a contractor to remove wall material as necessary to determine cause of odor

- Coordinate with Facilities Environmental Division to perform put back of wall material as necessary

- Evaluate room for installation of dampers