

Aston A. Henry, Supervisor Risk Management Department

# managing risk with responsibility

Telephone: 754 321-1900 Fax:

754 321-1917

November 10, 2009		Signature on File	For Custodial Supervisor Use Only		
TO:	Mr. Leo N	Jesmith, Principal	Custodial Issues Addressed		
	The Ques	1	Custodial Issues Not Addressed		
FROM:		ee, Project Manager agement Department			
SUBJECT:		r Quality (IAQ) Assessment , <b>128C, 128D and 225</b>			

On October 19, 2009, I conducted an assessment of FISH 110, 128C, 128D and 225 at The Quest Center. 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.

Generally, the IAQ Assessment did not identify any existing conditions significantly impacting IAQ and thereby presenting immediate health and safety concerns 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 754-321-1900.

cc:	Dr. Joel Herbst, Area Superintendent
	Dr. Gina Eyerman, Area Director
	Jeffrey S. Moquin, Executive Director, Support Operations
	Aston Henry, Supervisor, Risk Management
	Herbert Lee, Project Manager, Facilities and Construction Management
	Iris Froehlich, 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
ES/tc	
Enc.	

			IAQ Ass	sessment	Location Number	1021
		The Ques	st Center		Evaluation Requested	October 2, 2009
Time of Day	12:55 pm	]			Evaluation Date	October 19, 2009
Outdoor Condi	tions Ter	nperature	7.7	Relative Humidity	52.6 Ambie	ent CO2 397
Fish	Temperature	Range Rela	tive Humidity	Range	CO2 Rar	nge # Occupants
110	66.6	72 - 78	56.5	30% - 60%	651 Max 700	> Ambient 3
Noticeable Od	lor No		/isible water age / staining	Visible micro ? growth?	bial Amount o material affec	-
Ceiling Type	2 x 4 Lay	In	No	No		None
Wall Type	Wood Ver	neer	No	No		None
Flooring	12 x 12 Vi	inyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action Re	equired
Ceiling	Yes	No	No			
Walls	Yes	No	No			
Flooring	Yes	Νο	No			
HVAC Supply	Grills Yes	Νο	No			
HVAC Return	Grills Yes	Νο	No			
Ceiling at Sup Grills	ply Yes	No	No			
Surfaces in Ro	oom Yes	No	No			

## Findings:

- New roof recently installed

- A/C work ongoing

- Temperature was low and humidity level was greater than outdoors
- Non-approved chemicals in room (Glade)

## Site Based Maintenance:

- Remove non-approved chemicals from room

- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate

# Facilities and Construction Management:

			IAQ Ass	sessment	Location Number	1021
		The Ques	t Center		Evaluation Requested	October 2, 2009
Time of Day	12:55 pm				Evaluation Date	October 19, 2009
Outdoor Condit	tions Ten	nperature 7	7.7	Relative Humidity	52.6 Ambie	nt CO2 397
Fish T	emperature	Range Relat	ive Humidity	Range	CO2 Ran	nge # Occupants
128C	67.8	/2 - 78	53.6	30% - 60%	798 Max 700	> Ambient 2
Noticeable Ode	or No		/isible water age / staining	Visible micro ? growth?	bial Amount o material affec	
Ceiling Type	2 x 4 Lay	In	No	No		None
Wall Type	Drywall/Hom	asote	No	No		None
Flooring	12 x 12 Vi	nyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action Re	equired
Ceiling	Yes	No	No			
Walls	Yes	No	No			
Flooring	Yes	No	No			
HVAC Supply	Grills Yes	No	No			
HVAC Return (	Grills Yes	No	No			
Ceiling at Sup Grills	ply Yes	No	No			
Surfaces in Ro	om Yes	No	No			

Findings:

- New roof recently installed

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- Temperature was low and humidity level was greater than outdoors

## 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

# Facilities and Construction Management:

			IAQ Ass	sessment	Location Number	1021
		The Ques	t Center		Evaluation Requested	October 2, 2009
Time of Day	12:55 pm				Evaluation Date	October 19, 2009
Outdoor Condit	tions Ten	nperature 7	7.7	Relative Humidity	52.6 Ambie	nt CO2 397
Fish T	[emperature	Range Relat	ive Humidity	Range	CO2 Ran	nge # Occupants
128D	68.7 <b>7</b>	/2 - 78	53.9	30% - 60%	822 Max 700	> Ambient 2
Noticeable Od	or No		/isible water age / staining?	Visible microl ? growth?	bial Amount o material affec	
Ceiling Type	2 x 4 Lay	In	No	No		None
Wall Type	Drywall/Hom	asote	No	No		None
Flooring	12 x 12 Vi	nyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action Re	equired
Ceiling	Yes	No	No			
Walls	Yes	No	No			
Flooring	Yes	No	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 Yes	Νο	No			

Findings:

- New roof recently installed

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## 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

# Facilities and Construction Management:

			IAQ As	sessment	Location Number	1021
		The Que	st Center		Evaluation Requested	October 2, 2009
Time of Day	12:55 pm	]			Evaluation Date	October 19, 2009
Outdoor Condi	tions Ter	nperature	77.7	Relative Humidity	52.6 Ambie	ent CO2 397
Fish	Temperature	Range Rela	tive Humidity	Range	CO2 Rai	nge # Occupants
225	67.8	72 - 78	54.4	30% - 60%	753 Max 700	> Ambient 10
Noticeable Od	or No		Visible water nage / staining	Visible micro growth?	bial Amount o material affe	=
Ceiling Type	2 x 4 Lay	In	Yes	Yes	4 c	eiling tiles
Wall Type	Drywal	l	No	No		None
Flooring	12 x 12 Vi	inyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action R	equired
Ceiling	No	Yes	Yes	Re	emove and replace ce	iling tiles
Walls	Yes	Νο	No			
Flooring	No	Yes	Yes		Clean and saniti	ze
HVAC Supply	Grills Yes	No	No			
HVAC Return	Grills Yes	No	No			
Ceiling at Sup Grills	ply No	Yes	Yes	Re	emove and replace ce	iling tiles
Surfaces in Ro	oom No	Yes	Yes		Clean as appropr	iate

#### Findings:

- New roof recently installed
- A/C work ongoing
- Temperature was low and humidity level was greater than outdoors
- 4 stained ceiling tiles
- Dust and debris on floor. Two inch hole in VCT in Southwest area of room.
- FISH 221C (closet) stained ceiling tiles and evidence of pests identified.

#### Site Based Maintenance:

- Remove and replace stained ceiling tiles as necessary
- Clean and sanitize floor. Contact COMPASS to generate a work order to repair flooring as necessary.

- FISH 221C (closet) - remove and replace ceiling tiles as necessary and contact COMPASS to generate a work order for pest control.

- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate

## Facilities and Construction Management: