

managing risk with responsibility

Jeffrey S. Moquin, Director Risk Management Department Telephone: 754-321-3200 Facsimile: 754-321-3290

May 21, 2007	Signature on File
TO:	Mr. Daniel Boegli,, Principal Sheridan Technical Center
FROM:	Robert Krickovich, Coordinator, LEA Facilities and Construction Management
SUBJECT:	Indoor Air Quality (IAQ) Assessment FISH 433, 434, 435 and 529

Fo	r Custodial Supervisor Use Only
	Custodial Issues Addressed
	Custodial Issues Not Addressed

On March 15, 2007 Richard Rosa conducted an assessment of FISH 433, 434, 435 and 529 at **Sheridan Technical 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.

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. Harry LaCava, Area Superintendent Fran Bolden, Area Director Jeffrey S. Moquin, Director, Risk Management Joe DeLillo, 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

RK/tc Enc.

			IAQ As	sessment	Location	Number	1051	
	S	Sheridan Techr	ical Center		Evaluatior	Requested	March	15, 2007
Time of Day	1:45 pm				Eva	Iuation Date	March	15, 2007
Outdoor Condi	itions Te	mperature	78.1	Relative Humidity	70.5	Ambie	ent CO2	446
Fish	Temperature	Range R	elative Humidity	Range	CO2	Rar	nge #	Occupants
433	77.1	72 - 78	46.9	30% - 60%	839	Max 700	> Ambient	2
Noticeable Od	lor No	d	Visible water amage / staining	Visible micr ? growth	-	mount of ma affected	terial	
Ceiling Type	2 x 4 La	y In	Νο	No			None	
Wall Type	Plaste	er	Yes	No		10 s	quare feet	
Flooring	Carpe	et	No	No			None	
	Clean	Minor Dus / Debris	t Needs Cleaning		Correctiv	ve Action Re	equired	
Ceiling	Yes	No	No					
Walls	No	Yes	Yes		Repla	ace per surv	еу	
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	No	No					

Findings:

Moisture under window sill and damaged plaster due to water intrusion on both sides of window

HFSP advised that PPO is schedule to repair the rooms in question

-Recommendations:

Site Based Maintenance: - Follow up with PPO to confirm schedule to repair rooms

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

			IAQ Ass	sessment	Locatio	on Number	1051	
	Sher	idan Technica	I Center		Evaluat	ion Requested	March	15, 2007
Time of Day	2:15 pm				E	Evaluation Date	March	15, 2007
Outdoor Conditio	ns Temp	erature 7	8.1	Relative Humidi	ty 70.5	Ambie	nt CO2	446
	nperature Ra	inge Relat	ive Humidity	Range	CO2	Ran	nge #	Occupants
434	75.5 72	- 78	48.6	30% - 60%	850	Max 700	> Ambient	2
Noticeable Odor	No	-	isible water age / staining	Visible mic ? growth		Amount of ma affected	terial	
Ceiling Type	2 x 4 Lay In		Νο	No]		None	
Wall Type	Plaster		Yes	No]	40 s	quare feet	
Flooring	Carpet		No	No]		None	
	Clean	Minor Dust / Debris	Needs Cleaning		Correc	ctive Action Re	equired	
Ceiling	Yes	Νο	Νο					
Walls	Νο	Yes	Yes		Re	place per surv	еу	
Flooring	Yes	No	No					
HVAC Supply Gr	ills Yes	No	No					
HVAC Return Gri	ills Yes	Νο	No					
Ceiling at Supply Grills	Yes	No	No					
Surfaces in Roor	n Yes	Νο	No					

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			IAQ As	sessment	Location	n Number	1051	
		Sheridan Tecł	nnical Center		Evaluatio	on Requested	March	15, 2007
Time of Day	3:00 pm				E١	aluation Date	March	15, 2007
Outdoor Condi	itions To	emperature	78.1	Relative Humidit	y 70.5	Ambie	nt CO2	446
Fish	Temperature	Range	Relative Humidity	Range	CO2	Ran	ige #	Occupants
435	72.7	72 - 78	51.5	30% - 60%	864	Max 700	> Ambient	2
Noticeable Od	lor No		Visible water damage / staining	Visible mic growth		Amount of ma affected	terial	
Ceiling Type	2 x 4 La	ay In	No	No			None	
Wall Type	Plast	ter	Yes	No		40 s	quare feet	
Flooring	Carp	et	No	No			None	
	Clean	Minor Du / Debris			Correct	ive Action Re	equired	
Ceiling	Yes	No	No					
Walls	No	Yes	Yes		Rep	lace per surv	еу	
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	No	No					

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			IAQ As	sessment	Location	Number	1051	
	S	heridan Tech	nical Center		Evaluation	Requested	March	15, 2007
Time of Day	1:00 pm]			Eva	luation Date	March	15, 2007
Outdoor Condit	ions Te	mperature	78.1	Relative Humidit	y 70.5	Ambie	nt CO2	446
Fish T	emperature	Range R	elative Humidity	Range	CO2	Rar	nge #	Occupants
529	71.3	72 - 78	73.5	30% - 60%	468	Max 700	> Ambient	2
Noticeable Odd	or No] .	Visible water Jamage / staining	Visible mic ? growth	-	mount of ma affected	terial	
Ceiling Type	2 x 4 La	y In	Yes	No		9 C	eiling Tiles	
Wall Type	Plaste	r	No	No			None	
Flooring	Vinyl		No	No			None	
	Clean	Minor Dus / Debris			Correctiv	ve Action Re	equired	
Ceiling	No	Yes	Yes		Replace s	tained ceilir	ng tiles	
Walls	Yes	No	No					
Flooring	Yes	No	No					
HVAC Supply G	Grills Yes	No	No					
HVAC Return G	Grills Yes	No	No					
Ceiling at Supp Grills	ly Yes	No	No					
Surfaces in Ro	om No	Yes	Yes		Clean	as appropri	ate	

Findings:

- 9 stained ceiling tiles - in a row

- Duct work above drop ceiling in location of water stains. Possible insulation breech.

- Dust build up on environmental surfaces
- Temperature was low and humidity level was elevated

-Recommendations:

Site Based Maintenance:

- Replace stained ceiling tiles

- Clean environmental surfaces

- 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 duct work above drop ceiling for possible source of water intrusion - possible insulation breech.

- Evaluate HVAC for proper operation and repair as appropriate to lower humidity level and increase temperature