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Signature on File

TO: Mr. Michael Garretson, Deputy Superintendent
Facilities and Construction Management

FROM: Robert J. Krickovich, Coordinator, LEA
Facilities and Construction Management, Environmental Division

SUBJECT: Indoor Air Quality (IAQ) Assessment
FISH 202

On October 19, 2006 I conducted an assessment of FISH 202 at **Facilities and Construction Management/Hortt Complex**. 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.

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: Derrick Ragland, Executive Director, Facilities and Construction Management
Jeffrey S. Moquin, Director, Risk Management
Jack Cooper, Senior Project Manager, Facilities and Construction Management
Henry Verdugo, Project Manager, Facilities and Construction Management
Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1
Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division

RK/tc
Enc.

IAQ Assessment

Location Number 9067
 Evaluation Requested October 19, 2006
 Evaluation Date October 19, 2006

Facilities/Hortt Administration

Time of Day 10:45 am

Outdoor Conditions Temperature 81.5 Relative Humidity 71.8 Ambient CO2 501

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
202	73.5	72 - 78	69.7	30% - 60%	661	Max 700 > Ambient	4
Noticeable Odor	No		Visible water damage / staining?	Visible microbial growth?	Amount of material affected		
Ceiling Type	Tectum		No	No	None		
Wall Type	Plaster		Yes	No	Around all windows		
Flooring	Carpet		No	No	None		

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A open to tectum roof deck
Walls	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No	
Flooring	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No	
HVAC Supply Grills	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	Clean with Wexcide disinfectant
HVAC Return Grills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A open return on AHU
Ceiling at Supply Grills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Surfaces in Room	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	Clean as appropriate

Observations

Findings:

- Dust and debris on HVAC supply grills
- Dust build up and cobwebs on elevated surfaces
- Severely water damaged plaster under and around all windows in FISH 202 and 202A
- Broken window pane (glass missing) on North wall
- Plans and drawings stored in room show signs of previous water damage
- Humidity level was elevated

Recommendations:

Site Based Maintenance:

- Clean elevated surfaces throughout the room to remove dust and cobwebs
- Clean HVAC supply 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:

- Remove and replace water damaged wall material as appropriate under and around all windows in FISH 202 and 202A
- Caulk/seal all windows to prevent water intrusion into building
- Repair broken window pane on North wall
- Evaluate and repair HVAC system to lower humidity level