

## managing risk with responsibility

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Jeffrey S. Moquin, Director Risk Management Department

November 21, 2007 Signature on File

TO: Mr. John LaCasse,, Principal

Nova High School

FROM: Robert Krickovich, Coordinator, LEA

Facilities and Construction Management

SUBJECT: Indoor Air Quality (IAQ) Assessment

FISH 106 and 301A

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

On September 11, 2007 I conducted an assessment of FISH 106 and 301A at **Nova 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. 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. Leontine Butler, Area Superintendent
Toni Weissberg, Area Director
Jeffrey S. Moquin, Director, Risk Management
Scott Gillen, Project Manager, Facilities and Construction Management
Diane Watts, Broward Teachers Union
Roy Jarrett, National Federation of Public and Private Employees
Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1
Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division

RK/tc Enc.

Time of Day 12:00 pm	Evaluation Date September 11, 2007	
Outdoor Conditions Temperature 89.5	Relative Humidity 61.6 Ambient CO2 455	
Fish Temperature Range Relative Humidit	y Range CO2 Range # Occupants	
106     72.3     72 - 78     62.5	30% - 60% 594 Max 700 > Ambient 3	
Noticeable Odor No Visible water damage / staining	7.11.10.11.11.11.11.11.11.11.11.11.11.11.	
Ceiling Type 2 x 4 Lay In Yes	No 1 ceiling tile	
Wall Type Wood Paneling No	No None	
Flooring 12 x 12 Vinyl No	No None	
Clean Minor Dust Needs / Debris Cleaning	Corrective Action Pagifired	
Ceiling No Yes Yes	Remove and replace ceiling tile	
Walls Yes No No		
Flooring Yes No No		
HVAC Supply Grills Yes No No		
HVAC Return Grills	No return in room	
Ceiling at Supply Yes No No Grills		
Surfaces in Room Yes No		
Findings: (bookkeepers room outside of vault room 106G)  - No signs of microbial growth or water intrusion  - One stained ceiling tile  - Humidity level was slightly elevated  - No return grill in room  Recommendations:  Site Based Maintenance:  - Remove and replace stained ceiling tile  - 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 HVAC for proper operation and repair as appropriate to lower humidity level.  - Verify return air to room  NOTE: EQ01072 Generated to address Physical Plant Operations recommendations		

**IAQ Assessment** 

Nova High School

1281

September 7, 2007

Location Number
Evaluation Requested

September 7, 2007 **Evaluation Requested** Nova High School **Evaluation Date** September 11, 2007 12:00 pm Time of Day **Outdoor Conditions Temperature** 89.5 61.6 **Relative Humidity Ambient CO2** 455 Temperature Fish CO<sub>2</sub> **Relative Humidity** Range Range # Occupants Range 61.5 1575 301A 67.9 72 - 78 Max 700 > Ambient 2 30% - 60% Visible water Visible microbial **Amount of material Noticeable Odor** No damage / staining? growth? affected **Ceiling Type** 2 x 4 Lay In None No No **Wall Type** Drywall None No No **Flooring** Carpet Minor stain at door Yes No Clean **Minor Dust Needs Corrective Action Required** Cleaning / Debris Ceiling Yes No No Yes No Walls No **Flooring** No Yes Yes Clean and sanitize HVAC Supply Grills | Yes No No HVAC Return Grills | Yes No No **Ceiling at Supply** Yes No No **Grills Surfaces in Room** Yes No No **Observations** Findings: No signs of microbial growth or water intrusion Temperature was low and humidity and CO2 levels were slightly elevated Minor stain on carpet at door Recommendations: Site Based Maintenance: Thoroughly clean and sanitize carpet 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 HVAC for proper operation and repair as appropriate to increase temperature and lower humidity and CO2 level. NOTE: EQ01072 Generated to address Physical Plant Operations recommendations

IAQ Assessment

1281

**Location Number**