

**THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA**

**ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT**

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December 11, 2015

Signature on File

TO: Anthony Valachovic, Principal  
**Northeast High**

FROM: Daniel Meyer, Project Manager  
Environmental Health & Safety Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

<u>For Custodial Supervisor Use Only</u>	
<input type="checkbox"/>	Custodial Issues Addressed
<input type="checkbox"/>	Custodial Issues Not Addressed
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On December 8, 2015, I conducted an assessment at **Northeast High School**. Attached are findings and recommendations for further assessment, remediation, or corrective actions needed.

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. 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 site based custodial 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 us at 754-321-4200.

cc: Shelley Meloni, Director, Pre-Construction  
Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division  
Broward Teachers Union  
Federation of Public Employees  
Gerald Devio, Supervisor II Custodial  
Benjamin Osborne, Supervisor II Custodial  
Rich Volipi, Supervisor II Custodial  
Mark Murray, Supervisor II Custodial  
Sam Bays, Director, Maintenance Operations  
Kurt Wirz, Area Manager Trades

DM/je  
Enc.

# IAQ Assessment

Northeast High

Evaluation Date December 8, 2015

Time of Day 11:00 A.M.

Outdoor Conditions    Temperature 72.8

Relative Humidity 97.5

Ambient CO2 575

Fish	Temperature	Range	Relative Humidity	Range	CO <sup>2</sup>	Range	# Occupants
<span style="border: 1px solid black; padding: 2px;">212</span>	<span style="border: 1px solid black; padding: 2px;">66.2</span>	<span style="border: 1px solid black; padding: 2px;">72 - 78</span>	<span style="border: 1px solid black; padding: 2px;">87.4</span>	<span style="border: 1px solid black; padding: 2px;">30% - 60%</span>	<span style="border: 1px solid black; padding: 2px;">895</span>	<span style="border: 1px solid black; padding: 2px;">MAX 700 &gt; Ambient</span>	<span style="border: 1px solid black; padding: 2px;">2</span>
Noticeable Odor		<span style="border: 1px solid black; padding: 2px;">Yes</span>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling	<span style="border: 1px solid black; padding: 2px;">Tectum</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;"></span>		<span style="border: 1px solid black; padding: 2px;"></span>
Walls	<span style="border: 1px solid black; padding: 2px;">Ecoustic panel/plaster</span>		<span style="border: 1px solid black; padding: 2px;">Yes</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">Area by 212E</span>
Floor	<span style="border: 1px solid black; padding: 2px;">Carpet</span>		<span style="border: 1px solid black; padding: 2px;">Yes</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">Area by 212E</span>
Ceiling Clean		<span style="border: 1px solid black; padding: 2px;">Yes</span>	HVAC Supply Grills Clean		<span style="border: 1px solid black; padding: 2px;">No</span>		HVAC Return Grills Clean <span style="border: 1px solid black; padding: 2px;">No</span>
Walls Clean		<span style="border: 1px solid black; padding: 2px;">No</span>	Inside of Supply Duct Clean		<span style="border: 1px solid black; padding: 2px;">No</span>		Inside of Return Duct Clean <span style="border: 1px solid black; padding: 2px;">Yes</span>
Flooring Clean		<span style="border: 1px solid black; padding: 2px;">No</span>	Ceiling at Supply Grills Clean		<span style="border: 1px solid black; padding: 2px;">N/a</span>		
Room Surfaces Clean		<span style="border: 1px solid black; padding: 2px;">No</span>					
Trash Removed		<span style="border: 1px solid black; padding: 2px;">No</span>	Exhaust Fans Working		<span style="border: 1px solid black; padding: 2px;">N/A</span>		Unapproved Chemicals / Cleaners in Room <span style="border: 1px solid black; padding: 2px;">No</span>
Signs of Pests		<span style="border: 1px solid black; padding: 2px;">No</span>	Drain Traps Wet		<span style="border: 1px solid black; padding: 2px;">N/A</span>		Air Fresheners in Room <span style="border: 1px solid black; padding: 2px;">No</span>
Room Cluttered		<span style="border: 1px solid black; padding: 2px;">No</span>	Food if Stored in Room is in Sealed Containers		<span style="border: 1px solid black; padding: 2px;">N/A</span>		
Mechanical Equipment Location		<span style="border: 1px solid black; padding: 2px;">FISH #219</span>				Mechanical Room Clean <span style="border: 1px solid black; padding: 2px;"></span>	
Filters Installed Properly		<span style="border: 1px solid black; padding: 2px;"></span>		Filters Clean		<span style="border: 1px solid black; padding: 2px;"></span>	
Condensate Pan Clean		<span style="border: 1px solid black; padding: 2px;"></span>		Cooling Coil Clean		<span style="border: 1px solid black; padding: 2px;"></span>	
Fresh Air Intake Location		<span style="border: 1px solid black; padding: 2px;">Not accessible</span> ▼				Fresh Air Intake Free of Obstruction <span style="border: 1px solid black; padding: 2px;"></span>	
Pollutant Sources Near Air Intake		<span style="border: 1px solid black; padding: 2px;"></span> ▼					

**Observations**

**Band Room - roof leak in the area around 212E. Temperature and humidity issues. Water damaged door. Microbial growth on wall in closet 212E. Remove contents and clean. Sound panels need to be cleaned. Supply and return grills need to be cleaned. A/C equipment not accessible - ladder to loft was not secure. Carpet needs to be evaluated for replacement or professional cleaned. Classroom needs to be cleaned thoroughly.**

**Corrective Actions to be Completed by Site Based Staff**

Clean dust and debris from sound panels	▼
Thoroughly Clean Classroom	▼
Remove items in 212E and clean with wexcide	▼
Clean Supply Grills with Wexcide	▼
Vacuum return grill	▼
	▼
	▼
	▼

**Corrective Actions to be Completed by PPO**

Set Temperature to 72 - 78 degrees	▼
Repair HVAC to Reduce Humidity Levels	▼
Evaluate cause of water damage and repair/replace	▼
Evaluate the need for carpet replacement	▼
Repair/replace water damaged door	▼
Secure ladder in 212E	▼
Remove water damaged wall and replace	▼
	▼