

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

**ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT**

**TELEPHONE (754) 321-4200**

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August 18, 2016

Signature on File

TO: Todd LaPace, Principal  
**McArthur High School**

FROM: Robert Krickovich, Coordinator, LEA  
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
<hr/>	
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On August 11, 2016, I conducted an assessment at **McArthur 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.

RK:smn  
Enc.

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 Volpi, Supervisor II Custodial  
Mark Murray, Supervisor II Custodial  
Sam Bays, Director, Maintenance Operations  
Kurt Wirz, Area Manager Trades

# IAQ Assessment

McArthur High

Evaluation Date August 11, 2016

Time of Day 11:30 AM

Outdoor Conditions    Temperature 88.9    Relative Humidity 87.5    Ambient CO2 642

Fish	Temperature	Range	Relative Humidity	Range	CO <sup>2</sup>	Range	# Occupants
<span style="border: 1px solid black; padding: 2px;">606A</span>	<span style="border: 1px solid black; padding: 2px;">70.5</span>	<span style="border: 1px solid black; padding: 2px;">72 - 78</span>	<span style="border: 1px solid black; padding: 2px;">78.5</span>	<span style="border: 1px solid black; padding: 2px;">30% - 60%</span>	<span style="border: 1px solid black; padding: 2px;">484</span>	<span style="border: 1px solid black; padding: 2px;">MAX 700 &gt; Ambient</span>	<span style="border: 1px solid black; padding: 2px;">1</span>
Noticeable Odor		<span style="border: 1px solid black; padding: 2px;">No</span>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling	<span style="border: 1px solid black; padding: 2px;">2' X 2' Lay in</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">Yes</span>		<span style="border: 1px solid black; padding: 2px;">Spotty by Supply Grill 6 sq ft</span>
Walls	<span style="border: 1px solid black; padding: 2px;">Plaster</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">Yes</span>		<span style="border: 1px solid black; padding: 2px;">Spotty Around Door 6 sq ft</span>
Floor	<span style="border: 1px solid black; padding: 2px;">12" x 12" Vinyl</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;"></span>

Ceiling Clean	<span style="border: 1px solid black; padding: 2px;">No</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;">N/a</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;">N/A</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;">No</span>		
Room Surfaces Clean	<span style="border: 1px solid black; padding: 2px;">No</span>				

Trash Removed	<span style="border: 1px solid black; padding: 2px;">Yes</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;">Unknown</span>			Mechanical Room Clean	<input type="checkbox"/>
Filters Installed Properly	<input type="checkbox"/>	Filters Clean	<input type="checkbox"/>	Inside of HVAC Unit Clean	<input type="checkbox"/>
Condensate Pan Clean	<input type="checkbox"/>	Cooling Coil Clean	<input type="checkbox"/>		

Fresh Air Intake Location	<input type="text"/>	<input type="text"/>	Fresh Air Intake Free of Obstruction	<input type="checkbox"/>
Pollutant Sources Near Air Intake	<input type="text"/>			

**Observations**

**Storage room - Spotty microbial growth on ceiling in front of HVAC Supply Grill - Spotty microbial growth on wall above door - surfaces dusty / dirty - HVAC Supply grill dirty - Flooring dirty**

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

Thoroughly clean ALL surfaces	<input type="checkbox"/>
Clean ceilings around HVAC supply grills	<input type="checkbox"/>
Clean dust from wall surfaces	<input type="checkbox"/>
Thoroughly clean and sanitize flooring	<input type="checkbox"/>
Clean Supply Grills with Wexcide	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

**Corrective Actions to be Completed by PPO**

Repair HVAC to Reduce Humidity Levels	<input type="checkbox"/>
Set Temperature to 72 - 78 degrees	<input type="checkbox"/>
Clean HVAC supply grills and drops	<input type="checkbox"/>
Check all HVAC Controls / Dampers	<input type="checkbox"/>
Evaluate and repair HVAC system as needed	<input type="checkbox"/>
Clean entire HVAC system - unit and drops	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

# IAQ Assessment

McArthur High

Evaluation Date August 11, 2016

Time of Day 11:30 AM

Outdoor Conditions    Temperature 88.9    Relative Humidity 87.5    Ambient CO2 642

Fish	Temperature	Range	Relative Humidity	Range	CO <sup>2</sup>	Range	# Occupants
<span style="border: 1px solid black; padding: 2px;">607</span>	<span style="border: 1px solid black; padding: 2px;">72.9</span>	<span style="border: 1px solid black; padding: 2px;">72 - 78</span>	<span style="border: 1px solid black; padding: 2px;">63.5</span>	<span style="border: 1px solid black; padding: 2px;">30% - 60%</span>	<span style="border: 1px solid black; padding: 2px;">440</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;">No</span>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling	<span style="border: 1px solid black; padding: 2px;">2' X 2' Lay in</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;"></span>
Walls	<span style="border: 1px solid black; padding: 2px;">Plaster</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;"></span>
Floor	<span style="border: 1px solid black; padding: 2px;">12" x 12" Vinyl</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;"></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;">Yes</span>	HVAC Return Grills Clean		<span style="border: 1px solid black; padding: 2px;">Yes</span>
Walls Clean	<span style="border: 1px solid black; padding: 2px;">Yes</span>	Inside of Supply Duct Clean		<span style="border: 1px solid black; padding: 2px;">N/A</span>	Inside of Return Duct Clean		<span style="border: 1px solid black; padding: 2px;">N/A</span>
Flooring Clean	<span style="border: 1px solid black; padding: 2px;">Yes</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;">Yes</span>						
Trash Removed	<span style="border: 1px solid black; padding: 2px;">Yes</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;">Floor Mounted in Room</span>					Mechanical Room Clean	<span style="border: 1px solid black; padding: 2px;">N/A</span>
Filters Installed Properly	<span style="border: 1px solid black; padding: 2px;">N/A</span>	Filters Clean		<span style="border: 1px solid black; padding: 2px;">N/A</span>	Inside of HVAC Unit Clean		<span style="border: 1px solid black; padding: 2px;">N/A</span>
Condensate Pan Clean	<span style="border: 1px solid black; padding: 2px;">N/A</span>	Cooling Coil Clean		<span style="border: 1px solid black; padding: 2px;">N/A</span>			
Fresh Air Intake Location	<span style="border: 1px solid black; padding: 2px;">Unknown</span> ▼					Fresh Air Intake Free of Obstruction	<input type="checkbox"/>
Pollutant Sources Near Air Intake	<span style="border: 1px solid black; padding: 2px;"></span> ▼						

**Observations**


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

	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼

**Corrective Actions to be Completed by PPO**

Evaluate and repair HVAC system as needed	▼
Repair HVAC to Reduce Humidity Levels	▼
Clean entire HVAC system - unit and drops	▼
Check all HVAC Controls / Dampers	▼
	▼
	▼
	▼
	▼

# IAQ Assessment

McArthur High

Evaluation Date August 11, 2016

Time of Day 11:30 AM

Outdoor Conditions Temperature 88.9

Relative Humidity 87.5

Ambient CO2 642

Fish	Temperature	Range	Relative Humidity	Range	CO <sup>2</sup>	Range	# Occupants
<span style="border: 1px solid black; padding: 2px;">609</span>	<span style="border: 1px solid black; padding: 2px;">71.2</span>	<span style="border: 1px solid black; padding: 2px;">72 - 78</span>	<span style="border: 1px solid black; padding: 2px;">81.8</span>	<span style="border: 1px solid black; padding: 2px;">30% - 60%</span>	<span style="border: 1px solid black; padding: 2px;">420</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;">No</span>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling	<span style="border: 1px solid black; padding: 2px;">2' X 2' Lay in</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">Yes</span>		<span style="border: 1px solid black; padding: 2px;">Spotty on Tiles</span>
Walls	<span style="border: 1px solid black; padding: 2px;">Plaster</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">Yes</span>		<span style="border: 1px solid black; padding: 2px;">Spotty on walls</span>
Floor	<span style="border: 1px solid black; padding: 2px;">12" x 12" Vinyl</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;">No</span>		<span style="border: 1px solid black; padding: 2px;"></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;">Yes</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;">Yes</span>	Inside of Supply Duct Clean	<span style="border: 1px solid black; padding: 2px;">Yes</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;">Yes</span>	Ceiling at Supply Grills Clean	<span style="border: 1px solid black; padding: 2px;">Yes</span>		
Room Surfaces Clean	<span style="border: 1px solid black; padding: 2px;">Yes</span>				

Trash Removed	<span style="border: 1px solid black; padding: 2px;">Yes</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;">Yes</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;">Unknown</span>	Mechanical Room Clean	<input type="checkbox"/>
Filters Installed Properly	<input type="checkbox"/>	Filters Clean	<input type="checkbox"/>
Condensate Pan Clean	<input type="checkbox"/>	Cooling Coil Clean	<input type="checkbox"/>
		Inside of HVAC Unit Clean	<input type="checkbox"/>

Fresh Air Intake Location	<input type="text"/>	Fresh Air Intake Free of Obstruction	<input type="checkbox"/>
Pollutant Sources Near Air Intake	<input type="text"/>		

**Observations**

**Spotty microbial growth on ceiling tiles - Spotty microbial growth on walls - Spotty microbial growth on door frames - 58 cloth chairs with microbial growth - 609A communication closet very hot**

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- Corrective Actions to be Completed by Site Based Staff**
- |   |   |
|---|---|
| Clean dust from wall surfaces                   | ▼ |
| Remove and replace ceiling tiles with Microbial | ▼ |
| Dispose of cloth chairs                         | ▼ |
| Clean HVAC Return Grill with Wexcide            | ▼ |
| Clean doors and frames                          | ▼ |
|   | ▼ |
|   | ▼ |
|   | ▼ |
|   | ▼ |

- Corrective Actions to be Completed by PPO**
- |   |   |
|---|---|
| Evaluate and repair HVAC system as needed | ▼ |
| Repair HVAC to Reduce Humidity Levels     | ▼ |
| Clean entire HVAC system - unit and drops | ▼ |
| Check all HVAC Controls / Dampers         | ▼ |
|   | ▼ |
|   | ▼ |
|   | ▼ |
|   | ▼ |

# IAQ Assessment

McArthur High

Evaluation Date

Time of Day

Outdoor Conditions Temperature

Relative Humidity

Ambient CO2

Fish	Temperature	Range	Relative Humidity	Range	CO <sup>2</sup>	Range	# Occupants
<input type="text" value="612"/>	<input type="text" value="77.7"/>	<input type="text" value="72 - 78"/>	<input type="text" value="65.2"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="444"/>	<input type="text" value="MAX 700 &gt; Ambient"/>	<input type="text" value="2"/>
Noticeable Odor		<input type="text" value="No"/>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling	<input type="text" value="2' X 4' Lay in"/>		<input type="text" value="No"/>		<input type="text" value="Yes"/>		<input type="text" value="Entire Ceiling"/>
Walls	<input type="text" value="Drywall"/>		<input type="text" value="No"/>		<input type="text" value="Yes"/>		<input type="text" value="Spotty all walls"/>
Floor	<input 12"="" type="text" value="12" vinyl"="" x=""/>		<input type="text" value="No"/>		<input type="text" value="No"/>		<input type="text"/>

Ceiling Clean	<input type="text" value="No"/>	HVAC Supply Grills Clean	<input type="text" value="No"/>	HVAC Return Grills Clean	<input type="text" value="No"/>
Walls Clean	<input type="text" value="No"/>	Inside of Supply Duct Clean	<input type="text" value="Yes"/>	Inside of Return Duct Clean	<input type="text" value="No"/>
Flooring Clean	<input type="text" value="No"/>	Ceiling at Supply Grills Clean	<input type="text" value="No"/>		
Room Surfaces Clean	<input type="text" value="No"/>				

Trash Removed	<input type="text" value="Yes"/>	Exhaust Fans Working	<input type="text" value="N/A"/>	Unapproved Chemicals / Cleaners in Room	<input type="text" value="No"/>
Signs of Pests	<input type="text" value="No"/>	Drain Traps Wet	<input type="text" value="N/A"/>	Air Fresheners in Room	<input type="text" value="No"/>
Room Cluttered	<input type="text" value="No"/>	Food if Stored in Room is in Sealed Containers	<input type="text" value="N/A"/>		

Mechanical Equipment Location	<input type="text" value="Above Ceiling"/>		Mechanical Room Clean	<input type="text" value="N/A"/>	
Filters Installed Properly	<input type="text" value="N/A"/>	Filters Clean	<input type="text" value="N/A"/>	Inside of HVAC Unit Clean	<input type="text" value="N/A"/>
Condensate Pan Clean	<input type="text" value="N/A"/>	Cooling Coil Clean	<input type="text" value="N/A"/>		

Fresh Air Intake Location	<input type="text" value="Roof top"/>	Fresh Air Intake Free of Obstruction	<input type="text" value="Yes"/>
Pollutant Sources Near Air Intake	<input type="text" value="None"/>		

**Observations**

Entire ceiling covered in spotty microbial growth - all walls have spotty microbial growth - doors and frames have spotty microbial growth - humidity elevated

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

Remove and replace ceiling tile	<input type="text" value="▼"/>
Thoroughly clean ALL surfaces	<input type="text" value="▼"/>
Clean Supply Grills with Wexcide	<input type="text" value="▼"/>
Clean HVAC Return Grill with Wexcide	<input type="text" value="▼"/>
Clean doors and frames	<input type="text" value="▼"/>
	<input type="text" value="▼"/>
	<input type="text" value="▼"/>
	<input type="text" value="▼"/>

**Corrective Actions to be Completed by PPO**

Evaluate and repair HVAC system as needed	<input type="text" value="▼"/>
Repair HVAC to Reduce Humidity Levels	<input type="text" value="▼"/>
Clean entire HVAC system - unit and drops	<input type="text" value="▼"/>
Check all HVAC Controls / Dampers	<input type="text" value="▼"/>
	<input type="text" value="▼"/>
	<input type="text" value="▼"/>
	<input type="text" value="▼"/>

# IAQ Assessment

McArthur High

Evaluation Date

Time of Day

Outdoor Conditions    Temperature     Relative Humidity     Ambient CO2

Fish	Temperature	Range	Relative Humidity	Range	CO <sup>2</sup>	Range	# Occupants	
<input type="text" value="613"/>	<input type="text" value="73.6"/>	<input type="text" value="72 - 78"/>	<input type="text" value="80.5"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="447"/>	<input type="text" value="MAX 700 &gt; Ambient"/>	<input type="text" value="2"/>	
Noticeable Odor		<input type="text" value="No"/>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
Ceiling	<input type="text" value="2' X 4' Lay in"/>		<input type="text" value="No"/>		<input type="text" value="Yes"/>		<input type="text" value="25 tiles spotty"/>	
Walls	<input type="text" value="Drywall"/>		<input type="text" value="No"/>		<input type="text" value="No"/>		<input type="text"/>	
Floor	<input 12"="" type="text" value="12" vinyl"="" x=""/>		<input type="text" value="No"/>		<input type="text" value="No"/>		<input type="text"/>	
Ceiling Clean		<input type="text" value="Yes"/>	HVAC Supply Grills Clean		<input type="text" value="Yes"/>	HVAC Return Grills Clean		<input type="text" value="Yes"/>
Walls Clean		<input type="text" value="Yes"/>	Inside of Supply Duct Clean		<input type="text" value="Yes"/>	Inside of Return Duct Clean		<input type="text" value="Yes"/>
Flooring Clean		<input type="text" value="Yes"/>	Ceiling at Supply Grills Clean		<input type="text" value="Yes"/>			
Room Surfaces Clean		<input type="text" value="Yes"/>						
Trash Removed		<input type="text" value="Yes"/>	Exhaust Fans Working		<input type="text" value="N/A"/>	Unapproved Chemicals / Cleaners in Room		<input type="text" value="No"/>
Signs of Pests		<input type="text" value="No"/>	Drain Traps Wet		<input type="text" value="N/A"/>	Air Fresheners in Room		<input type="text" value="No"/>
Room Cluttered		<input type="text" value="No"/>	Food if Stored in Room is in Sealed Containers		<input type="text" value="N/A"/>			
Mechanical Equipment Location			<input type="text" value="Above Ceiling 612"/>			Mechanical Room Clean		<input type="text" value="N/A"/>
Filters Installed Properly		<input type="text" value="N/A"/>	Filters Clean		<input type="text" value="N/A"/>	Inside of HVAC Unit Clean		<input type="text" value="N/A"/>
Condensate Pan Clean		<input type="text" value="N/A"/>	Cooling Coil Clean		<input type="text" value="N/A"/>			
Fresh Air Intake Location			<input type="text" value="Roof top"/>			Fresh Air Intake Free of Obstruction		<input type="text" value="Yes"/>
Pollutant Sources Near Air Intake			<input type="text" value="None"/>					

**Observations**

**Spotty microbial growth on 25 ceiling tiles - spotty microbial growth on doors and frames - walls freshly painted - humidity elevated**

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

Remove and replace 25 ceiling tiles	▼
Clean doors and frames	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼

**Corrective Actions to be Completed by PPO**

Evaluate and repair HVAC system as needed	▼
Repair HVAC to Reduce Humidity Levels	▼
Clean entire HVAC system - unit and drops	▼
Check all HVAC Controls / Dampers	▼
	▼
	▼
	▼
	▼

# IAQ Assessment

McArthur High

Evaluation Date

Time of Day

Outdoor Conditions Temperature

Relative Humidity

Ambient CO2

Fish	Temperature	Range	Relative Humidity	Range	CO <sup>2</sup>	Range	# Occupants
<input type="text" value="614"/>	<input type="text" value="76.8"/>	<input type="text" value="72 - 78"/>	<input type="text" value="73.2"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="450"/>	<input type="text" value="MAX 700 &gt; Ambient"/>	<input type="text" value="2"/>
Noticeable Odor		<input type="text" value="No"/>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling	<input type="text" value="2' X 4' Lay in"/>		<input type="text" value="No"/>		<input type="text" value="Yes"/>		<input type="text" value="12 tiles spotty"/>
Walls	<input type="text" value="Drywall"/>		<input type="text" value="No"/>		<input type="text" value="No"/>		<input type="text" value="50 sq ft"/>
Floor	<input 12"="" type="text" value="12" vinyl"="" x=""/>		<input type="text" value="No"/>		<input type="text" value="No"/>		<input type="text"/>

Ceiling Clean	<input type="text" value="Yes"/>	HVAC Supply Grills Clean	<input type="text" value="No"/>	HVAC Return Grills Clean	<input type="text" value="Yes"/>
Walls Clean	<input type="text" value="Yes"/>	Inside of Supply Duct Clean	<input type="text" value="Yes"/>	Inside of Return Duct Clean	<input type="text" value="Yes"/>
Flooring Clean	<input type="text" value="Yes"/>	Ceiling at Supply Grills Clean	<input type="text" value="Yes"/>		
Room Surfaces Clean	<input type="text" value="Yes"/>				

Trash Removed	<input type="text" value="Yes"/>	Exhaust Fans Working	<input type="text" value="N/A"/>	Unapproved Chemicals / Cleaners in Room	<input type="text" value="No"/>
Signs of Pests	<input type="text" value="No"/>	Drain Traps Wet	<input type="text" value="N/A"/>	Air Fresheners in Room	<input type="text" value="No"/>
Room Cluttered	<input type="text" value="No"/>	Food if Stored in Room is in Sealed Containers	<input type="text" value="N/A"/>		

Mechanical Equipment Location	<input type="text" value="Above Ceiling 612"/>			Mechanical Room Clean	<input type="text" value="N/A"/>
Filters Installed Properly	<input type="text" value="N/A"/>	Filters Clean	<input type="text" value="N/A"/>	Inside of HVAC Unit Clean	<input type="text" value="N/A"/>
Condensate Pan Clean	<input type="text" value="N/A"/>	Cooling Coil Clean	<input type="text" value="N/A"/>		

Fresh Air Intake Location	<input type="text" value="Roof top"/>	Fresh Air Intake Free of Obstruction	<input type="text" value="Yes"/>
Pollutant Sources Near Air Intake	<input type="text" value="None"/>		

**Observations**

**Spotty microbial growth on 12 ceiling tiles - spotty microbial growth on doors and frames - Spotty microbial growth on 50 Sq Ft of wall - humidity elevated**

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- Corrective Actions to be Completed by Site Based Staff**
- |                                     |   |
|-------------------------------------|---|
| Remove and replace 12 ceiling tiles | ▼ |
| Clean doors and frames              | ▼ |
| Clean dust from wall surfaces       | ▼ |
| Clean Supply Grills with Wexcide    | ▼ |
|                                     | ▼ |
|                                     | ▼ |
|                                     | ▼ |
|                                     | ▼ |

- Corrective Actions to be Completed by PPO**
- |   |   |
|---|---|
| Evaluate and repair HVAC system as needed | ▼ |
| Repair HVAC to Reduce Humidity Levels     | ▼ |
| Clean entire HVAC system - unit and drops | ▼ |
| Check all HVAC Controls / Dampers         | ▼ |
|   | ▼ |
|   | ▼ |
|   | ▼ |
|   | ▼ |