THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

TELEPHONE (754) 321-4200 **FACSIMILE: (754) 321-4285**

August 16, 2016 Signature on File

For Custodial Supervisor Use Only

☐ Custodial Issues Addressed

☐ Custodial Issues Not Addressed

TO: Allen Valentine, Intern Principal
Silver Ridge Elementary

FROM: Robert Krickovich, Coordinator, LEA
Environmental Health & Safety Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

On August 10, 2016, I conducted an assessment at **Silver Ridge Elementary 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

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
202P	81.4	72 - 78	37.8	30% - 60%	453	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	Yes	No	3 Tiles
Walls	Tack Board	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	N/A	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	Wall Mounted Unit			Mechanical Room Clean	N/A
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	N/A
Condensate Pan Clean	N/A	Cooling Coil Clean	N/A		

Fresh Air Intake Location	Outside of Unit	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Portable - 3 stained ceiling tiles (roof leaks) - Condensation and microbial growth inside of fixture lenses in front of HVAC units

Corrective Actions to be Completed by Site Based Staff

- Clean fixture lenses
- Remove and replace stained ceiling tile
- If stains return, contact COMPASS for work order

Corrective Actions to be Completed by PPO

- Evaluate and repair cause of stained ceiling tile

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
404P	76.9	72 - 78	51.7	30% - 60%	454	MAX 700 > Ambient	2

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Noticeable Odor	No			
Ceiling	2' X 4' Lay in	Yes	No	3 tiles
Walls	Homasote / Tackboard	Yes	No	Under Both A/C units 64 Sq ft
Floor	12" x 12" Vinyl	Yes	No	10 sq ft

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	Wall Mounted Unit			Mechanical Room Clean	N/A
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	N/A
Condensate Pan Clean	N/A	Cooling Coil Clean	N/A		

Fresh Air Intake Location	Outside of Unit	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Portable - 3 stained ceiling tiles - walls water damaged under both A/C units - floor in front of bathroom door VERY soft - Condensation / microbial growth inside of all light fixtures.

Portable should not be used until PPO can repair the floor in the portable.

Corrective Actions to be Completed by Site Based Staff

- Remove and replace stained ceiling tile
- If stains return, contact COMPASS for work order
- Clean all Light fixture lenses

Corrective Actions to be Completed by PPO

- Repair / replace floor at bathroom entry
- Evaluate and repair cause of stained ceiling tile
- Evaluate and repair cause of water damaged wall material

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
1166VE	86.3	72 - 78	36.5	30% - 60%	437	MAX 700 > Ambient	2

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Noticeable Odor	No			
Ceiling	Homasote	No	Yes	Entire restroom ceiling
Walls	Homasote	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	Wall Mounted Unit			Mechanical Room Clean	N/A
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	N/A
Condensate Pan Clean	N/A	Cooling Coil Clean	N/A		

Fresh Air Intake Location	Outside of Unit	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Portable - Entire restroom ceiling covered with spotty microbial growth - 2 stains on ceiling in portable from roof leaks - HVAC supply grills dirty.

Portable should not be used until PPO can repair the portable.

Corrective Actions to be Completed by Site Based Staff

- Clean Supply Grills with Wexcide

Corrective Actions to be Completed by PPO

- Remove and replace restroom ceiling
- Repair roof leaks
- Repair HVAC / Ventilation in restroom

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
1202VE	82.8	72 - 78	37.2	30% - 60%	470	MAX 700 > Ambient	2

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Noticeable Odor	No			
Ceiling	Homasote	Yes	Yes	15 sq ft
Walls	Wood Paneling	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	N/A	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	Wall Mounted Unit			Mechanical Room Clean	N/A
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	N/A
Condensate Pan Clean	N/A	Cooling Coil Clean	N/A		

Fresh Air Intake Location	Outside of Unit	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Portable - Condensation and microbial growth on ceiling at supply grills - several roof leaks.

Portable should not be used until PPO can evaluate the condition of the portable.

Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be Completed by PPO

Evaluate portable - repair as needed to stop condensation
Evaluate and repair cause of stained ceiling
Set Temperature to 72 - 78 degrees

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
602C	81.5	72 - 78	60.6	30% - 60%	494	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	Yes	Yes	15 ceiling tiles
Walls	Homasote / Tackboard	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	N/A	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	Wall Mounted Unit			Mechanical Room Clean	N/A
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	N/A
Condensate Pan Clean	N/A	Cooling Coil Clean	N/A		

Fresh Air Intake Location	Outside of Unit	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Portable - 3 stained ceiling tiles due to roof leaks - 12 stained ceiling tiles with microbial growth due to condensation - Temperature and humidity elevated - School based staff to replace stained ceiling tiles and call in work order to repair roof leak

Portable should not be used until PPO can evaluate the condition of the portable.

Corrective Actions to be Completed by Site Based Staff

- Remove and replace stained ceiling tile
- If stains return, contact COMPASS for work order

Corrective Actions to be Completed by PPO

- Evaluate portable - repair as needed to stop condensation
- Evaluate and repair cause of stained ceiling tile
- Repair HVAC to Reduce Humidity Levels

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
628C	73.7	72 - 78	68.0	30% - 60%	551	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	Yes	No	
Walls	Homasote	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	N/A	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	Wall Mounted Unit			Mechanical Room Clean	N/A
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	N/A
Condensate Pan Clean	N/A	Cooling Coil Clean	N/A		

Fresh Air Intake Location	Outside of Unit	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Portable - Condensation dripping from ceiling grid and light fixtures - Light fixtures rusty - humidity elevated -

Portable should not be used until PPO can evaluate the condition of the portable.

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Evaluate portable - repair as needed to stop condensation
	Repair HVAC to Reduce Humidity Levels

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
901	78.8	72 - 78	60.2	30% - 60%	468	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 903			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Temperature and Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
707	80.2	72 - 78	64.3	30% - 60%	456	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 708			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

HVAC not working - Temperature and Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be Completed by PPO

Repair HVAC
Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
705	80.2	72 - 78	64.3	30% - 60%	455	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 708			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

HVAC not working - Temperature and Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Repair HVAC
	Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
855	80.5	72 - 78	71.6	30% - 60%	458	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 855B			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Temperature and Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Two stained Ceiling Tiles in 855B - School based staff to replace stained tile and call in work order to repair roof leak

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
Remove and replace stained ceiling tile	
If stains return, contact COMPASS for work order	Address school work orders for HVAC Repairs
to repair cause of staining	

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
854	73.1	72 - 78	70.4	30% - 60%	536	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 854B			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
812	75.9	72 - 78	52.4	30% - 60%	445	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 810			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be Completed by PPO

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
809	78.2	72 - 78	48.0	30% - 60%	441	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 810			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be Completed by PPO

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
807	77.6	72 - 78	62.3	30% - 60%	451	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 810			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
806	82.2	72 - 78	64.4	30% - 60%	443	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 805			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Temperature and Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
803	80.3	72 - 78	64.6	30% - 60%	454	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 805			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Temperature and Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
410	82.9	72 - 78	58.0	30% - 60%	423	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 412			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Temperature and Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
408	79.3	72 - 78	63.5	30% - 60%	434	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 412			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Temperature and Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
507	77.8	72 - 78	63.5	30% - 60%	509	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 505			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
506	78.2	72 - 78	49.6	30% - 60%	518	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	Yes	Yes	1 Sq Ft
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	No
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 505			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

One stained ceiling tile with visible microbial growth - Inside of return air grill dusty-

School based staff to replace stained tile and call in work order to repair roof leak

Corrective Actions to be Completed by Site Based Staff

- Remove and replace stained ceiling tile
- If stains return, contact COMPASS for work order
- to repair roof leak

Corrective Actions to be Completed by PPO

- Clean inside of return grill
- Address school work orders for HVAC Repairs

IAQ Assessment

Silver Ridge Elementary | Evaluation Date: August 10, 2016 | Time of Day: 12:15

Outdoor Conditions Temperature: 89.8 | Relative Humidity: 72.7 | Ambient CO2: 512

Fish	Temperature	Range	Relative Humidity	Range	CO^2	Range	# Occupants
710	80.3	72 - 78	64.2	30% - 60%	454	MAX 700 > Ambient	2

Noticeable Odor: No

		Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling	2' X 4' Lay in	No	No	
Walls	Drywall	No	No	
Floor	12" x 12" Vinyl	No	No	

Ceiling Clean	Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	Yes		
Room Surfaces Clean	Yes				

Trash Removed	Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	No	Drain Traps Wet	Yes	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 708			Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes		

Fresh Air Intake Location	Outside of Room	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None		

Observations

HVAC not working - Temperature and Humidity Slightly elevated - School Assistant Head Facilities Person stated work orders have been called in for HVAC repairs

Corrective Actions to be Completed by Site Based Staff	Corrective Actions to be Completed by PPO
	Repair HVAC
	Address school work orders for HVAC Repairs