



Jeffrey S. Moquin, Director Risk Management Department

FISH 164

Telephone: 754-321-3200 Facsimile: 754-321-3290

May 19, 2006

Signature on File

TO: Mr. Chuck McCanna, Principal Nova Blanche Forman Elementary School
FROM: Kenneth I. Partee, Project Manager Occupational Health and Environmental Control Risk Management Department
SUBJECT: Indoor Air Quality (IAQ) Assessment

On May 19, 2006 I conducted an assessment of FISH 164 at **Nova Blanche Forman Elementary 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 significantly 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 754-321-3200.

CC: Dr. Harry LaCava, Area Superintendent
 Dr. Linda Bedell, Area Director
 Jeffrey S. Moquin, Director, Risk Management
 Juana Romaniuk, Project Manager, Facilities and Construction Management
 Dane Ramson, Broward Teachers Union
 Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1
 Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division
 Robert Krickovich, Coordinator, LEA, Facilities and Construction Management

KP/tc Enc.

	IAQ Assessment			Location Number	1282	
Nov	va Blanche Fori	man Elementary	School		Evaluation Requeste	d May 18, 2006
Time of Day	9:07 am				Evaluation Da	te May 19, 2006
Outdoor Conditio	ons Tem	perature 87	7.3	Relative Humidity	40.9 Am	pient CO2 494
Fish Te	mperature F	Range Relati	ve Humidity	Range	CO2 R	ange # Occupants
164	68.8 7 2	2 - 78	57.2	30% - 60%	631 Max 7	00 > Ambient 2
Noticeable Odor	r No		sible water Ige / staining'	Visible micro ? growth?		
Ceiling Type	2 x 4 Lay	In	Yes	No		5 ceiling tiles
Wall Type	Plaster		No	No		None
Flooring	Tile		No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action	Required
Ceiling	No	Yes	Yes		Replace stained ce	iling tiles
Walls	Yes	No	No			
Flooring	Νο	Yes	Yes		Clean and san	itize
HVAC Supply G	rills No	Yes	Yes	C	lean with Wexcide c	lisinfectant
HVAC Return Gr	rills Yes	No	No			
Ceiling at Supply Grills	y No	Yes	Yes		Clean as appro	priate
Surfaces in Roo	m No	Yes	Yes		Clean as appro	priate

Observations

Findings:

- Dust and debris on floor and on area rug
- Dust and debris on HVAC supply grills and on ceiling at HVAC supply grills
- Dust build up on environmental surfaces
- 5 stained ceiling tiles around speaker
- Sink clogged
- Temperature was low and humidity level was elevated over outside reading
- Dust build up on light covers (diffusers)

Recommendations:

Site Based Maintenance:

- Clean and sanitize floor and clean rug as appropriate
- Clean HVAC supply grills with Wexcide disinfectant solution and clean ceiling at HVAC supply grills as appropriate
- Clean environmental surfaces throughout the room
- Initiate a work order to evaluate and repair sink
- Clean light covers (diffusers) as appropriate
- 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 cause of stained ceiling tiles (check for leak in false ceiling plenum) and repair. Remove and replace stained ceiling tiles as appropriate.

- Evaluate HVAC for proper operation and repair as appropriate to raise temperature and lower humidity level