

# Quiet Waters Elementary

Outdoor Parameter Measurements:

WalkthroughDate: 6/3/2004

Temp

RH

Co2

88.4

45%

485

	Category	Detail	Assessment Comments	Recommended Corrective Action
<b>101</b>	80.4	56%	1066	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	Excess Moisture	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	Excess Moisture	Check for leaks or signs of moisture from plumbing or roofs.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	Thermal Comfort	Humidity level.	the humidity was 56% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.
	Thermal Comfort	Check comfort factors.	Temperature high.	Maintenance needs to inspect HVAC and repair.
<b>105</b>	68.8	83%		
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		Humidity and temperature elevated.	Maintenance needs to inspect HVAC and repair.
	General Classroom Information		Microbial growth on walls, ceilings and air supply vents.	Maintenance to inspect and repair as appropriate.
<b>107</b>	79.2	49%	1095	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	Excess Moisture	Check for leaks or signs of moisture from plumbing or roofs.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	Excess Moisture	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.

<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
Thermal Comfort	Humidity level.	the humidity was 49% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.
Thermal Comfort	Check comfort factors.	Temperature elevated.	Maintenance needs to inspect HVAC and repair.
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<b>123A</b>	74.7	55%	1138
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.
General Classroom Information		3 occupants in classroom at time of assessment. The Co2 reading was slightly elevated; however, it is not at a level warranting follow-up action.	No corrective action recommended at this time.
General Classroom Information		Dust and debris was observed on the air supply and return registers at the time of the assessment.	Custodial staff should thoroughly clean all environmental surfaces within classroom.
Local Exhaust Fans	Confirm that fume hoods and local exhaust fans function properly.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
Thermal Comfort	Humidity level.	the humidity was 55% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.
Ventilation	Determine how your classroom is ventilated.	One air supply vent and one return air grill.	No corrective action recommended at this time.
Ventilation	Check for unexplained odors.	No odors were detected at time of assessment.	No corrective action recommended at this time.
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**126**

74.5	57%	1072
<i>Temp</i>	<i>RH</i>	<i>Co2</i>

Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
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	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
136	Ventilation	If you have mechanical ventilation, confirm that air is flowing into the room from the air supply vent(s).	Air is flowing into the room from the air supply vents.	No corrective action recommended at this time.
		73	57%	1044
		<i>Temp</i>	<i>RH</i>	<i>Co2</i>
137	General Classroom Information		5 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Cleanliness	Confirm that the classroom is cleaned properly	General cleanliness appeared adequate on date of assessment.	No corrective action recommended at this time.
	Thermal Comfort	Humidity level.	the humidity was 57% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
	Ventilation	If you have mechanical ventilation, confirm that air is flowing from the room into the air return grille(s).	Return air grill is functioning properly.	No corrective action recommended at this time.
	Ventilation	If you have mechanical ventilation, confirm that air is flowing into the room from the air supply vent(s).	Air is flowing into the room from the air supply vents.	No corrective action recommended at this time.
	72.5	52%	1915	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		16 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		Co2 level was slightly elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
<b>138</b>	72.2 <i>Temp</i>	49% <i>RH</i>	1616 <i>Co2</i>	
	Excess Moisture in Classrooms	Check for leaks or signs of moisture from plumbing or roofs.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		co2 level was slightly elevated at time of assessment. 16 occupants in classroom at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	General Cleanliness	Confirm that the classroom is cleaned properly	General cleanliness appeared adequate on date of assessment.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
	Ventilation	Determine how your classroom is ventilated.	4 air supply vents and 1 return air grill.	No corrective action recommended at this time.
	Ventilation	Check for unexplained odors.	No odors were detected at time of assessment.	No corrective action recommended at this time.
<b>139</b>	72.2 <i>Temp</i>	50% <i>RH</i>	1417 <i>Co2</i>	
	Excess Moisture in Classrooms	Check for leaks or signs of moisture from plumbing or roofs.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		15 occupants in classroom at time of assessment. The Co2 reading was slightly elevated; however, it is not at a level warranting follow-up action.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
<b>15</b>	77.8 <i>Temp</i>	41% <i>RH</i>	1562 <i>Co2</i>	
	Excess Moisture in Classrooms	Check for leaks or signs of moisture from plumbing or roofs.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		20 occupants in classroom at time of assessment. The Co2 reading was slightly elevated; however, it is not at a level warranting follow-up action.	No corrective action recommended at this time.
	General Cleanliness	Confirm that the classroom is cleaned properly	General cleanliness appeared adequate on date of assessment.	No corrective action recommended at this time.
	Thermal Comfort	Humidity level.	the humidity was 41% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.
	Ventilation	Determine how your classroom is ventilated.	4 air supply vents and 1 return air grill.	No corrective action recommended at this time.
<b>201</b>	70.2 <i>Temp</i>	55% <i>RH</i>	1176 <i>Co2</i>	
	Thermal Comfort	General items to watch for.	Teacher reported the room is generally too cold.	Location should monitor situation and consider slightly raising thermostat within this area.
<b>203B</b>	69.7 <i>Temp</i>	56% <i>RH</i>	1019 <i>Co2</i>	
	Thermal Comfort	General items to watch for.	Thermostat is set at 68%. Thermostat runs the cafeteria.	Maintenance needs to inspect HVAC for proper operation.
	Ventilation	Determine how your classroom is ventilated.	1 air supply vent and 1 return air grill.	No corrective action recommended at this time.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
<b>301</b>	73.1 <i>Temp</i>	52% <i>RH</i>	2344 <i>Co2</i>	
	General Classroom Information		24 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		Co2 level was elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	Thermal Comfort	Humidity level.		
<b>301G</b>	72.2 <i>Temp</i>	52% <i>RH</i>	2723 <i>Co2</i>	
	General Classroom Information		28 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		Co2 level was elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	Thermal Comfort	General items to watch for.		
<b>402</b>				
	General Classroom Information		Insulated air supply is full of water and leaks onto the ceiling tile and onto the tile floor.	Maintenance needs to inspect HVAC and repair.
<b>403</b>	73.3 <i>Temp</i>	49% <i>RH</i>	2381 <i>Co2</i>	
	General Classroom Information		26 occupants in classroom at time of assessment.	No corrective action recommended at this time.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
407	General Classroom Information		Co2 level was elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
		71.5	50%	3144
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
410	Excess Moisture in Classrooms	Check for leaks or signs of moisture from plumbing or roofs.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		28 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		Co2 level was elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
	Thermal Comfort	Humidity level.	the humidity was 51% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.
	Ventilation	If you have mechanical ventilation, confirm that air is flowing into the room from the air supply vent(s).	Air is flowing into the room from the air supply vents.	No corrective action recommended at this time.
	73	52%	2094	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		26 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		Co2 level was slightly elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	Thermal Comfort	Humidity level.	the humidity was 52% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.



	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>	
412	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.	
		Fix the temperature.			
		76 <i>Temp</i>	48% <i>RH</i>	2138 <i>Co2</i>	
503	General Classroom Information		28 occupants in classroom at time of assessment.	No corrective action recommended at this time.	
	General Classroom Information		Co2 level was slightly elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.	
	General Cleanliness	Confirm that the classroom is cleaned properly	General cleanliness appeared adequate on date of assessment.	No corrective action recommended at this time.	
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.	
	Thermal Comfort	Humidity level.	The humidity was 48% at the time of assessment. The desired humidity level is below 60%.	No corrective action recommended at this time.	
		72.5 <i>Temp</i>	50% <i>RH</i>	1343 <i>Co2</i>	
	Excess Moisture in Classrooms	Check for leaks or signs of moisture from plumbing or roofs.	There were no problems observed at time of assessment.	No corrective action recommended at this time.	
	General Classroom Information		4 occupants in classroom at time of assessment. The Co2 reading was slightly elevated; however, it is not at a level warranting follow-up action.	No corrective action recommended at this time.	
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.	
Ventilation	Check for unexplained odors.	No odors were detected at time of assessment.	No corrective action recommended at this time.		
		My room is always too cold! Students are uncomfortable.			

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
<b>505</b>	72.2 <i>Temp</i>	48% <i>RH</i>	2032 <i>Co2</i>	
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		3 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		Co2 level was slightly elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
	Ventilation	If you have mechanical ventilation, confirm that air is flowing into the room from the air supply vent(s).	Air is flowing into the room from the air supply vents.	No corrective action recommended at this time.
	Ventilation	If you have mechanical ventilation, confirm that air is flowing from the room into the air return grille(s).	Return air grill is functioning properly.	No corrective action recommended at this time.
	Ventilation	Determine how your classroom is ventilated.	5 air supply vents and 2 return air grills.	No corrective action recommended at this time.
	My classroom is about 50 degrees daily. My students wear winter coats and sweaters daily as well. It is very uncomfortable and hard to concentrate. I get many complaints from the students that they are cold and uncomfortable.			
<b>506</b>	73.4 <i>Temp</i>	51% <i>RH</i>	1726 <i>Co2</i>	
	Animals in the Classroom	Take special care with asthmatic or other sensitive students.	No animals in the classroom.	No corrective action recommended at this time.
	Excess Moisture in Classrooms	Condensate (condensed water, or "fog") on cold surfaces.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	Excess Moisture in Classrooms	Check for leaks or signs of moisture from plumbing or roofs.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		3 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		Co2 level was slightly elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
	Ventilation	Determine how your classroom is ventilated.	5 air supply vents and 1 return air grill.	No corrective action recommended at this time.

<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
Ventilation	If you have mechanical ventilation, confirm that air is flowing from the room into the air return grille(s).	Return air grill is functioning properly.	No corrective action recommended at this time.
Ventilation	If you have mechanical ventilation, confirm that air is flowing into the room from the air supply vent(s).	Air is flowing into the room from the air supply vents.	No corrective action recommended at this time.
Ventilation	Check for unexplained odors.	No odors were detected at time of assessment.	No corrective action recommended at this time.

My classroom is extremely cold each day. It is not healthy, nor conducive to a positive learning environment. The children and myself are constantly distracted by the cold temperature and have to wear large sweaters/coats (in Florida) in the classroom. We regularly have to go outside to defrost and thaw out. Our fingers are cold and our noses are runny daily. It is not healthy to be contained in a frigid environment on a daily basis. Additionally, it is a waste of the school board money to be creating a classroom that is comparable to a meat locker. I am not exaggerating, as my classroom is usually in the 50's for temperature. The teacher next to me was recorded as having a temperature of 49 degrees. I keep promising my children that one day soon we will see snow in Florida - right here in our classroom. It is truly outrageous!

512

74	52%	1102
<i>Temp</i>	<i>RH</i>	<i>Co2</i>

General Classroom Information		2 occupants in classroom at time of assessment. The Co2 reading was slightly elevated; however, it is not at a level warranting follow-up action.	No corrective action recommended at this time.
Health and Hygiene Education	Establish an information and counseling program regarding smoking.		Site based administration will provide information to site based staff.
Health and Hygiene Education	Obtain Indoor Air Quality: An introduction for health professionals.		Site based administration will provide information to site based staff.
Health and Hygiene Education	Inform students and staff about the importance of good hygiene in preventing the spread of airborne contagious diseases.		Site based administration will provide information to site based staff.
Health and Hygiene Education	Provide information about IAQ and health.		Site based administration will provide information to site based staff.
Health Officer's Office	Ensure that the ventilation system is properly operating.	Ventilation is working properly.	No corrective action recommended at this time.
Maintain Student Health Records	Include information about sensitivities to IAQ problems in student health records.		Site based administration will provide information to site based staff.
Maintain Student Health Records	Track health-related complaints by students and staff.		Site based administration will provide information to site based staff.
Maintain Student Health Records	Recognize indicators that health problems may be IAQ-related.		Site based administration will provide information to site based staff.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
<b>604</b>	72.7 <i>Temp</i>	48% <i>RH</i>	881 <i>Co2</i>	
	General Classroom Information		21 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
	Sometimes it is so cold that students wear sweaters and still shiver. Even on cold outside days the air is still on in the classroom.			
<b>607</b>	72.2 <i>Temp</i>	49% <i>RH</i>	763 <i>Co2</i>	
	General Classroom Information		21 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		Damaged drywall next to the emergency exit door. Water intrusion from the exterior wall.	Maintenance to inspect and repair as appropriate.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
<b>ENTIRE SCHOOL</b>				
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Information		Ballisters on all the HVAC units throughout the school are not working properly.	Maintenance needs to inspect HVAC and repair.
	General Information		Drain pans are overflowing throughout the entire school.	Maintenance needs to inspect HVAC and repair.
	General Information		Thermostats throughout the entire school do not function properly.	Maintenance to inspect and repair as appropriate.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>
<b>P-10</b>	78.1	40%	2356	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		2 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		There are 3 A/C units and only two were in operation at time of assessment.	Maintenance needs to inspect HVAC for proper operation.
	General Classroom Information		Co2 level was elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.
	General Cleanliness	Check for pests.	There were no problems observed at time of assessment.	No corrective action recommended at this time.
<b>P-17</b>	77.5	43%	1434	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		26 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.
	Ventilation	Determine how your classroom is ventilated.	Two stand alone A/C units.	No corrective action recommended at this time.
My classroom needs mini blinds for the windows that face east. I cannot open my windows. The A/C intake vents are not cleaned regularly.				
<b>P-5</b>	76.9	40%	2324	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	General Classroom Information		2 occupants in classroom at time of assessment.	No corrective action recommended at this time.
	General Classroom Information		Only one of the A/C units was operating.	Maintenance needs to inspect HVAC for proper operation.
	General Classroom Information		Co2 level was elevated at time of assessment.	Maintenance to inspect and repair as appropriate to lower Co2 level.

	<i>Category</i>	<i>Detail</i>	<i>Assessment Comments</i>	<i>Recommended Corrective Action</i>	
<b>P-6</b>	General Cleanliness	Check for pests.	There were no problems observed at time of assessment.	No corrective action recommended at this time.	
	General Cleanliness	Confirm that the classroom is cleaned properly	General cleanliness appeared adequate on date of assessment.	No corrective action recommended at this time.	
		77.1	42%	1480	
		<i>Temp</i>	<i>RH</i>	<i>Co2</i>	
	Animals in the Classroom	Take special care with asthmatic or other sensitive students.	No animals in the classroom.	No corrective action recommended at this time.	
	General Classroom Information		2 occupants in classroom at time of assessment. The Co2 reading was slightly elevated; however, it is not at a level warranting follow-up action.	No corrective action recommended at this time.	
<b>Portables</b>	General Cleanliness	Check for pests.	There were no problems observed at time of assessment.	No corrective action recommended at this time.	
	General Cleanliness	Confirm that the classroom is cleaned properly	General cleanliness appeared adequate on date of assessment.	No corrective action recommended at this time.	
	Thermal Comfort	General items to watch for.	Temperature was within acceptable range at time of assessment.	No corrective action recommended at this time.	
	Ventilation	Check for unexplained odors.	No odors were detected at time of assessment.	No corrective action recommended at this time.	
	<i>Temp</i>	<i>RH</i>	<i>Co2</i>		
			Skirting is needed for around the bottom of the portables due to animals living and dying underneath them.	Maintenance to inspect and repair as appropriate.	