



BRITISH VIETNAMESE
INTERNATIONAL SCHOOL
HANOI
A NORD ANGLIA EDUCATION SCHOOL

Air Quality Policy

Policy Number: BVIS HN _01

Description: This policy defines the controls in place to ensure safety for students in relation to Air Quality readings.

Version No.	Amendments	Issue Date	Issued By
01	Created	July 2013	SW
02	Revised	Nov 2015	MJS
03	Revised	Aug 2017	MJS
04	Rebranded and updated	Aug 2018	MJS
05			

There are times of the year when we all experience poor air quality in Hanoi and we know this can be an issue of importance for many of our parents and staff. At BVIS, Hanoi, we want to make every effort to ensure we provide a safe environment for our children to learn in and therefore have the following systems and procedures in place.

Procedure

A staff member from the Facilities Department is assigned to the task outlined here of checking daily, and publishing the results of, the air quality using the Oregon AIR Smart Air Monitor (SHE 101). This device is a hand-held Real Time Dust Monitor designed for Industrial Hygiene, Indoor Air Quality and Haz-Mat air monitoring investigations. It provides accurate and instantaneous data on airborne particle concentrations.

The air quality will be taken at approximately **09:30 am each day in both the Primary and Secondary Campus outdoor areas**. All data is shared daily with Senior Leadership Team members across the three phases at BVIS.

The SHE 101 measures air pollution for PM1.0, PM2.5 and PM10 and VOC, as well as measuring the temperature and humidity levels. The readings are taken using a PM 2.5 measure. The results of these readings are compared to the US Embassy in central Hanoi and to other locations within the city. We have so far found the calibration to have been effective and comparisons realistic and so, given an inevitable margin of error, we will make decisions based on our readings taken within the school grounds rather than elsewhere in the city.

BVIS, HANOI guidelines and response are stated in the coloured box below:

The table below merely acts as a guide to the air quality procedure across all BVIS campuses in Hanoi. Some members of the school community will be more sensitive to air pollution than others and all teachers must act accordingly in the interests of the individual. If in doubt, please seek the advice of the school nurse.

- If the air quality is noticeably different in the campus around Royal City to those at the US Embassy or UNIS for 2 consecutive days, the Principal will make the decision as to whether classes should continue outdoors.
- Indoor air quality readings will be taken at the request of the Facilities Manager when the outdoor pollution is at an AQI Index level of 251+ for two consecutive days. This is to ensure that the children can and are working within a safe, indoor environment. The Principal will make the decision as to the next steps for the school based upon this data.
- Outdoor sports tournaments will not take place where the AQI has been 201 or above for 2 consecutive days. The member of staff i/c fixtures for BVIS, Hanoi will notify participating schools **by 10:30am on the day of the tournament. This will be done by the Head of PE only after consultation with both the Head of Section and Principal.**

Since we started taking readings in August 2017, 7% of readings on the Primary Campus have been above 100AQI of which only 1 reading was above 150.

In Secondary, this figure is slightly higher at 7.8%, of which again only 1 reading was above 150.

	AQI Index and Air Quality Rank	Pupil Activities	Facility Procedures
	0-50 Good	Normal Activities but this range may pose a health concern for a very small amount of individuals.	School to function as normal. Awareness of any individual who this may effect and evaluate time spent outside.
	51-100 Moderate	Normal Activities but this range may pose a health concern for a very small amount of individuals.	School to function as normal. Awareness of any individual who this may effect and evaluate time spent outside.
	101-150 Mild/moderate pollution Unhealthy for sensitive groups	Students with respiratory problems excused from outdoor activities.	Awareness of any individual who this may effect and evaluate time spent outside.
	151-200 Moderate-heavy pollution (<u>for 2 or more consecutive days</u>). <u>Everyone may experience some effects</u> <u>Members of sensitive groups may experience more serious effects</u>	All Pre-Nursery outdoor activities cancelled. All Primary children will have limited high impact activities Sensitive people should avoid prolonged heavy exertion.	Doors and windows closed in all classroom areas. Modified outdoor PE, break time and activities for all students with respiratory problems.
	201 - 250 Moderate-heavy pollution (<u>for 2 or more consecutive days</u>)	Activities for Primary and Secondary Students restricted to indoors. High impact activities restricted. Sports tournaments, outdoor ASAs cancelled	Doors and windows closed in all classroom areas. No outdoor PE, Clubs for students with respiratory problems
	251 or above Hazardous pollution	The entire population is more likely to be affected by serious health effects. 2 hourly monitoring	Doors and windows closed in all classroom areas Everyone to avoid any kind of physical activity No outdoor activity allowed

Guidance in this chart is taken from US Government guidance of Air Quality.

For further details, please refer to the following link: www.njaqinow.net/App_AQI/AQI.en-US.pdf