

SCIS-HIS Guidelines for Managing Student's Exposure to Outdoor Air Pollution

Monitoring Ozone Levels:

The SCIS-HIS system offices are responsible for monitoring and disseminating to the schools the air pollution information/forecast. This information will be gathered daily from the US consulate and Chinese government monitoring centers and, when there is elevated air pollution, disseminated to each school administrative office. In addition, information from the media, the Shanghai and Hangzhou Education Commission, local air pollution control agencies, and health departments will be considered where applicable. Schools will communicate any concerns regarding air pollution using a color-coded system that is based on the US Environmental Protection Agency's Air Quality Index (also used by US Embassy and Consulates in China).

Reducing Student Exposure:

Decisions for reducing exposure to air pollution will be based on individual student risk. Students at highest risk (including our youngest students, students with respiratory diseases, and sports or activities that require heavy exertion for extended periods of time) will be given greatest consideration.

On **Orange Days**, the school will be aware and monitor for individual symptoms. Students with a history of reactions to ozone exposure (often 24 hours after exposure) will be encouraged to minimize their exposure, via reduced exertion and/or duration.

On **Red Days**, the school will limit exposure for all students from heavy exertion levels (this includes sports that require high intensity workouts for long periods: basketball, soccer, running). Potential solutions to limit exposure include (but are not limited to):

1) Having practice/games inside 2) Having practice/games early in the day before ozone levels rise 3) Rotating players often and having breaks 4) Lowering exertion during practice (examples include skill building versus endurance training)

If the pollution indexes reach **Purple** levels, the school will limit outdoor exposure to low exertion activities.

If the pollution indexes reach **Brown** levels, all activities for all students requiring physical exertion will be limited.

Air Quality Index (AQI)	SCIS Response
Orange (101-150)	The school will be aware and monitor for individual symptoms. Students with a history of reactions to ozone exposure (often 24 hours after exposure) will be encouraged to minimize their exposure, via reduced exertion and/or duration.
Red (151-200)	The school will limit outdoor exposure for all students from heavy exertion levels (this includes sports that require high intensity workouts for long periods: rugby, soccer, running). Potential solutions to limit exposure include (but are not limited to): 1) Having practice/games inside 2) Having practice/games early in the day before ozone levels rise 3) Rotating players often and having breaks 4) Lowering exertion during practice (examples include skill building versus endurance training)
Purple (201-250)	The school will limit outdoor exposure to low exertion activities. Lower School recess and after school activities will occur inside. Outdoor Upper School practices will occur with modification of intensity and duration.
(251-300)	At 251 and above, all outdoor activities are limited.
Brown (301-500)	All outdoor activities for all students are canceled.

The recommended Smart Phone app for use is called “Air Quality” and looks like this:



This app includes 11 monitoring stations in and around Shanghai, which can be selected from a drop down menu. There are 4 that SCIS-Pudong monitors throughout the day:

1. US Consulate (French Concession)
2. Weifang (Luzjiazui)
3. Zhangjiang (Longdon Avenue/JinQiao)
4. Chuansha (Pudong Airport)

The selection screen should look like this:

