

As a member of Mahidol University's community, we use the data gathered from the mobile sensor deployed by the university at the main gate to determine air quality at MUIDS. As a supplement to this data, we also make use of two additional apps: air4thai (Thai government sponsored), and AirVisual. Decisions about our response to air pollution are made in the morning before start-of-school, in order to be as up to date as possible.

\*The United States Environmental Protection Agency defines prolonged exercise as that occurring over a few hours. MUIDS will define this as any exercise longer than 30 minutes.

### MUIDS Air Quality Policy

| PM 2.5         | General Air Quality Index                  | Health Effects  | Precautionary Actions defined by US Environmental Protection Agency  | MUIDS Response  | Communication  |
|----------------|--|---|--|---|--|
| 0 to 12.0      | Good<br>0 to 50                            | Air Quality is Satisfactory. Little to no risk.   | None   | All activities unaffected   | None   |
| 12.1 to 35.4   | Moderate<br>51 to 100                      | Acceptable air quality. Unusually sensitive people may experience problems                    | Sensitive groups should reduce prolonged exertion.   | Students with unusual sensitivity are monitored.  | None   |
| 35.5 to 55.4   | Caution for Sensitive Groups<br>101 to 150 | Members of sensitive groups may be affected. The general public is not likely to be affected. | Sensitive groups, the elderly, and young children should avoid prolonged exertion.   | Outdoor activities continue as planned. Students who are identified as sensitive are monitored by staff.  | None   |
| 55.5 to 150.4  | Caution for All<br>151 to 200              | Health effects may be experienced by all.   | Sensitive groups, the elderly, and young children should avoid outside exercise. All others should limit outside exercise. | Outdoor activities may continue, but avoid prolonged exertion. Activities may also be of lower intensity. | Policy and Safety Reminder sent to parents and students via SMS                              |
| 150.5 to 250.4 | Unhealthy<br>201 to 300                    | Health alert is triggered: everyone may experience more serious health concerns.              | Sensitive groups, the elderly, and children should avoid ALL outdoor activity; all others should avoid prolonged exercise. | All outdoor activities canceled. Outdoor field trip decisions are based on the AQI of the destination.    | Policy and Safety Reminder, as well as school decision, sent to students and parents via SMS |
| 250.5 to 500.5 | Hazardous<br>301 to 500                    | Health warnings of emergency conditions. The entire population is likely to be affected.      | Sensitive groups, the elderly, and children should remain indoors. Everyone should avoid all outdoor exercise.             | All school members, except security, remain indoors.  | Policy and Safety Reminder, as well as school decision, sent to students and parents via SMS |