

# SCHOOLS SULFUR DIOXIDE (SO<sub>2</sub>) ACTION PLAN

- Conditions are regularly and continuously monitored by the school's designee. Condition reports are made to the school principals.
- Monitor SO<sub>2</sub> levels and air quality as needed by using hand-held monitors, messages provided by Civil Defense or Department of Health, and/or tools on the Vog Dashboard: <https://vog.ivhhn.org/current-air-quality>.
- If elevated levels last for more than 30 minutes, take appropriate actions as indicated in the color-coded chart below.
- **Teachers and staff should continuously monitor students' reactions to SO<sub>2</sub> and air quality. Consider using a sensitive room or sheltering in place, despite monitoring data, if there is an increased amount of students/staff with respiratory issues.**
- The school area district office will communicate with Civil Defense on gas elevation and duration of levels and recommend appropriate actions to schools.

* Statewide Department of Health (DOH) SO <sub>2</sub> Condition Advisory Levels	RECOMMENDED SCHOOL ACTION
<b>Green (Good)</b> <b>0.0 – 0.10 parts per million (ppm)</b> Little to no risk	1) Maintain normal school operations. 2) Updates will be made as needed based on available monitoring data.
<b>Yellow (Moderate)</b> <b>0.11 – 0.20 ppm</b> Unusually sensitive individuals may experience symptoms	1) Maintain normal school operations; consider limiting outdoor activities, and reducing high exertion activities outdoors. 2) Monitor air quality. Use hand-held monitors, follow messages from CD/DOH, and/or tools available on the Vog Dashboard at <a href="https://vog.ivhhn.org/current-air-quality">https://vog.ivhhn.org/current-air-quality</a> . 3) Notify main office if staff/students need medical attention. 4) Affected staff/students will be evaluated by SHA using SHA Manual Section 3-3-9. 5) Updates will be made as needed based on available monitoring data.
<b>Orange (Unhealthy for Sensitive Groups)</b> <b>0.21 – 1.00 ppm</b> Increasing likelihood of health effects for sensitive groups (children and especially children or adults with pre-existing respiratory or heart disease)	1) Limit outdoor exposure by conducting indoor activities (Recess, PE). 2) Monitor air quality. Use hand-held monitors, follow messages from CD/DOH, and/or tools available at <a href="https://vog.ivhhn.org/current-air-quality">https://vog.ivhhn.org/current-air-quality</a> . 3) Notify main office if staff/students need medical attention. 4) Affected individuals will be evaluated by SHA using to SHA Manual Section 3-3-9. 5) Updates will be made as needed based on available monitoring data. 6) Establish “sensitive rooms.” 7) Affected staff/students will be sent to “sensitive rooms” or remain in the health room.
<b>Red (Unhealthy)</b> <b>1.01 – 3.00 ppm</b> Everyone may begin to experience health effects. Sensitive groups may experience serious health effects.	1) Shelter-In-Place (SIP) if levels are consistently present for 30 minutes. 2) Monitor air quality. Use hand-held monitors, follow messages from CD/DOH, and/or tools available at <a href="https://vog.ivhhn.org/current-air-quality">https://vog.ivhhn.org/current-air-quality</a> .
<b>Purple (Very Unhealthy)</b> <b>3.01 – 5.00 ppm</b> Everyone may experience serious health effects.	3) Notify main office if staff/students need medical attention. 4) Affected individuals will be evaluated by SHA using to SHA Manual Section 3-3-9. 5) Establish “sensitive rooms.”
<b>Maroon (Hazardous)</b> <b>&gt;5.01 ppm</b> Emergency conditions. Everyone more likely to be affected.	6) Affected staff/students will be sent to “sensitive rooms” or remain in the health room. 7) Updates will be made every hour or as needed. 8) Communicate with DOE district office on current conditions and next steps.