Aylburton Parish Council Air Quality Monitoring Scheme

Action plan for monitoring of air quality within the village

Aim

Install and maintain three PurpleAir monitors to give the parish a continuous indication of local particulate pollution. Residents will be able to view readings from all three monitors in real time, helping the community spot patterns and support local clean air action initiatives. The results will also help the council inform residents and decide whether to ask the local authority for further investigation.

*****PurpleAir monitors provide indicative readings and do not replace statutory air quality monitoring.*

Monitor locations

- **Monitor 1 — roadside:** Place near the busiest road or junction, close to homes but in a safe and secure position.
- **Monitor 2 — sensitive location:** Place near a school, playground, village centre or other well-used location.
- **Monitor 3 — background site:** Place on a quieter street or away from the main road for comparison.

Each location must have the owner's written permission, a reliable power supply, Wi-Fi, safe access and protection from accidental damage. Record the address, mounting position, installation date and a photograph.

Action plan

When	Action	Who
Month 1	Approve the scheme, budget and three preferred locations. Ask the local authority's environmental health team for comments.	Full council and clerk
Month 2	Buy three suitable outdoor PurpleAir monitors and any mounting or weather-protection equipment. Obtain permissions and confirm power and Wi-Fi.	Clerk

Month 3	Install and name the monitors. Check that readings are visible online and create a simple location record.	Clerk and nominated councillor or volunteer
Monthly	Check that each monitor is online, visually inspect it and record any faults, cleaning or loss of data.	Nominated councillor or volunteer
Quarterly	Review broad trends across the three locations and publish a short update for residents.	Clerk
Annually	Prepare a simple summary, ask the local authority for advice on any persistent concerns, and decide whether the scheme should continue unchanged.	Full council

What to record

- Whether each monitor is working and reporting data.
- Monthly and seasonal patterns in particulate readings.
- Differences between the roadside, sensitive and background sites.
- Roadworks, fires, unusual traffic, severe weather or other events that may affect readings.
- Faults, cleaning, maintenance and periods of missing data.

Reporting

Make readings from all three monitors available to residents in real time through the PurpleAir online map or a clearly signposted page on the parish council website. This access will help residents understand local patterns and support community clean air action initiatives. The council should also publish a brief quarterly update in plain language, focus on trends rather than isolated peaks, and explain that the readings are indicative. If readings remain unusually high or cause concern, send the information to the relevant environmental health team for advice rather than drawing a formal conclusion.

Budget items

- Three outdoor PurpleAir monitors.
- Mounting brackets, outdoor power arrangements and any protective housings.
- Electricity, internet access or host expenses where agreed.
- Occasional cleaning, replacement parts and a small contingency.

Responsibilities

- **Full council:** Approves the budget, locations and annual review.
- **Clerk:** Keeps permissions and records, coordinates installation, and publishes updates.
- **Nominated councillor or volunteer:** Carries out the monthly checks and reports faults.

Decisions required

1. Approve the purchase and permanent use of three PurpleAir monitors.
2. Approve the three types of location and authorise the clerk to agree final sites.
3. Name the councillor or volunteer responsible for monthly checks.
4. Approve a budget including installation and contingency costs.
5. Agree to publish quarterly updates and review the scheme after 12 months.