



From the AIR PROGRAM

Weather Station Calibrations

Quality Assurance is an important part of the BPT Air Quality Monitoring Program. Various scheduled checks are performed on the monitors and sensors throughout the year. In addition to an annual third party audit, the Air Program conducts checks on the equipment. In April, Phoebe Nicholls, the BPT Water Quality Specialist, assisted with checks and a calibration of the weather station sensors, which was the first fully in-house semi-annual run of checks on the weather station.

Photos: 1. The tower in front of winter skies, looking south. 2. Phoebe performing the rain gauge calibration. 3. Mesh wire keeps debris out of the gauge but allows steady falling rain drops to pass through. The Tribal Air Station has 2 rain gauges which are compared against each other. 4. Phoebe and Ian Bell from OVIWC over-riding the tower (don't worry, it's fully on a winch!)



5. The new propellor style wind sensor the Tribe had installed in 2020. 6. The temperature probe lives in an aspirated shield, and is checked with a separate temperature probe. 7. The pyranometer, which measures solar radiation, of which we get plenty! 8. A motor is attached to the wind arm to check wind speeds.

- ⇒ For more info call the Air Program at 760-784-9308.
- ⇒ BPT air and weather data can be viewed at <https://bishoptribeemo.com/monitoring.htm>