

Verification of Air extraction equipment and maintenance.

1. Preventative maintenance including troubleshooting and fault findings on electrical components and fume hood plumbing.
2. The cleaning of ducts, fans and replacement of air filters where necessary.
3. Replacement of firefighting canisters in our solvent and acid storage cabinets.
4. The air flow verification using ISO 17025 calibrated equipment.
5. A clear visible sticker and certificate of conformity shall be provided upon completion of air flow verification.
6. The verification period of Fume hood shall be at least one year.
7. Verification and preventative maintenance to be done on the equipment listed below in our five laboratories at three different locations.

Chemistry laboratory. (Houghton)

1. 4 X Fume extraction cabinets.
2. 1 X Overhead air extraction hood.
3. 4 X Acid and solvent storage cabinets.

Northern Works laboratory. (Diepsloot)

4. 2 X Fume extraction cabinets.
5. 1 X Overhead air extraction hood/ canopy.

Goudkoppies (Devland)

6. 4 X Fume extraction cabinets.
7. 1 X Fume extraction fan / canopy

Microbiology Laboratory (Houghton)

8. 1 X Extraction Fan
9. 3 X Biological Safety Cabinet Class II
10. 1 X Air flow – Laminar flow

Water Laboratory (Houghton).

11. 6 X Fume extraction cabinets.
12. 1 X Overhead air extraction hood/ canopy
13. 6 X Solvent storage cabinets
14. 1 X Muffle Furnace Extractor

Online Monitoring: (Olifansvlei Works)

Address: Cavendish street; Adjacent to Nancefield Industrial sites)

15. 1 X Fume extraction cabinet

16. 1 X Overhead air extraction hood/canopy

Online Monitoring: (Northern Works)

Address: Northern Wastewater treatment Works (Address: William Nicol Ext;
Diepsloot)

17. 1 X Fume extraction cabinets

18. 1 X Overhead air extraction hood/canopy