

transpiro

environmental
detection

*Delivering
an innovative
and natural
solution for
chemical
detection.*



Let nature show you...

transpiro

Who we are:

Transpiro was born from an opportunity to develop an alternative chemical detection methodology using plants, while at a remote mining site.

The methodology was used to complement current methods using aquatic animals, as another validation process. The results were ground-breaking, with no harm come to any plant or animal life.

Since this opportunity, Transpiro has been fine tuning the transpiration process, bringing an innovative and caring method of chemical detection to the environmental science industry.

Who we help:

- **Property Development:** Preliminary screening tool providing chemical activity which will streamline initial land preparation prior to building
- **Organic Farmer:** Providing detection of harmful chemicals in your environment while using a non-invasive sampling method
- **Government/Local Council:** Environmentally conscious, cost-saving technique of sampling and reporting chemical detection for the public good
- **Large Industry:** Assisting in quality control, management practices and enhance resource awareness
- **Home Owner:** Provide peace of mind that your land is safe from contamination
- **Environmental Consultancies:** Contamination and chemical detection for your clients by identifying concentration hotspots

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“To leave a legacy in the world to benefit future generations - creating balance with science and nature”



“Plants interact with the surrounding soil, water and air, extracting and releasing chemicals throughout their life cycle.

Being place-bound allows for the assessment and measurement of chemical activity.

Plants are ideal recorders, having an intimate connection with their surroundings”

Dr Joel Burken
Missouri University of
Science and Technology

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How you benefit:

- Greater identification of chemical hot-spots
- Real time results provided from sampling
- Greater understanding of natural landscapes, environments and eco-systems
- Non-invasive, non-mechanical sampling technique
- More data collected by more sampling sites
- More cost effective than other sampling techniques

How we work:

If you are looking for a way to identify the chemical composition in your environment, usually this would be an expensive, highly invasive and messy situation.

Our Transpiration Process consists of six main steps, ensuring the end user is informed with each step, creating confidence in our methodology, making it perfect for all industries.



Transpiro Workflow:



Transpiro currently holds PCT / AU2017 / 050476 for this innovation.

Stephen Dall

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