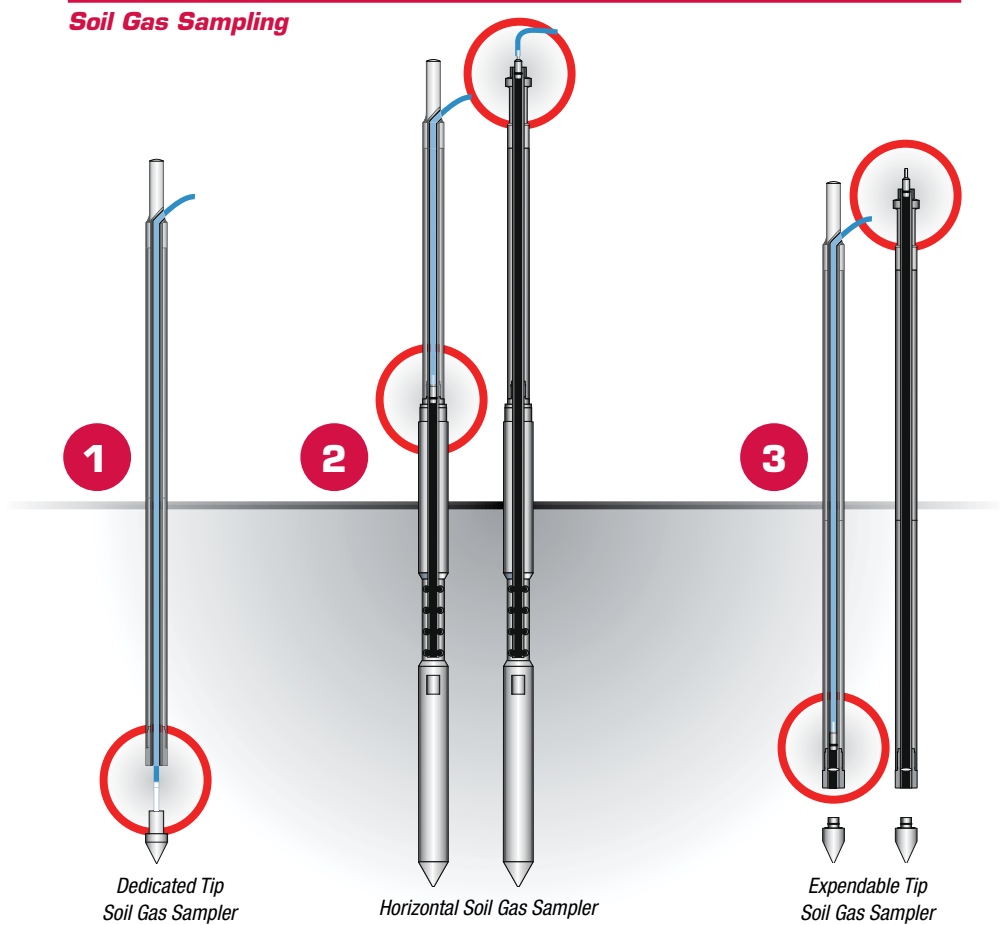


Soil Gas Sampling with Direct Push

Soil gas sampling with direct push methods are commonly used with soil gas surveys for the investigation of volatile organic compounds. AMS offers a soil gas sampling system with a number of options to allow sampling for a wide variety of regulatory and standard procedures.



Soil Gas Sampling Application:

The soil gas sampler is small-diameter tooling consisting of direct push extensions with expendable, retractable, or dedicated drive tips. The tooling is driven into the subsurface through the direct push of the PowerProbe™. When they are at the desired depth, the drive point is retracted or detached by pulling back on the tooling, exposing an inlet section with holes or a screen. The purging and sampling may begin using an AMS vacuum pump, vacuum station, or other sampling instrument.

Dedicated Tip Designed to be pushed single tube without pre-boring and collect a point source soil gas sample. The tubing and tip can be left in place for future assessment of the job site using the same sampling point.

Horizontal Soil Gas Sampler

To ensure an accurate sample from a very precise target sampling point, the horizontal soil gas sampler is your tool.

Expendable Tip Designed to be pushed single tube without pre-boring and collect a point source soil gas sample.

Recommendation Use the 1 5/8" or 1 1/4" with single tube tooling only.

- Ability to penetrate
- Efficient rate of penetration
- Seal the top
- Expend the tip
- Purge the ambient air at low flow
- Finish by extracting using a low flow vacuum

Recommendation Use the 1 1/4" expendable tip for a dual tube install.

- Drive down with dual tube system
- Pull out internal dual tube components
- Drop Bentonite
- Hydrate with water
- Drop the single tube down
- Push through Bentonite, generating a seal
- Purge the ambient air at a low flow
- Finish by extracting using a vacuum

