

### **Emissions and environmental monitoring**

The process that SageTech has developed for its waste operation facility does not generate any emissions to air, land, or water. Zero emissions are a critical feature of the technology as the purpose is to prevent atmospheric emissions of anaesthetic vapour to reduce the environmental impact of delivering anaesthesia and retain the value in the waste captured. Current practice for anaesthetic agent disposal in healthcare facilities is direct vent to atmosphere. This is permissible as there are currently no restrictions for atmospheric release of waste anaesthetic vapour. The outlet to the environment from the processing equipment (see the operational block diagram on page 2 of Waste process area plan 14th October 2024 v3.0) is monitored for the presence of anaesthetic on a monthly basis.

Environmental monitoring is performed to ensure workplace exposure limits are not breached. SageTech uses personal agent badges for volatile anaesthetics supplied by MEC Ltd and other suppliers, quarterly on operational staff, or after a method change, according to a risk assessment.

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