

A NEW GENERATION OF TRACERS FOR SURFACE WATER AND GROUNDWATER FLOW

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EnviroGene's nanoparticle DNA-based tracers utilize novel polymer technology co-developed with the University of Nottingham and the University of Milan. The polymer is biocompatible (minimal toxicity) and biodegradable. As the tracers are DNA based, large numbers of unique tracers are available.

Uniquely, the DNA-based tracers are capable of tracking the source of the pollution to a single point, or assessing what proportion of waste comes from multiple geographic sources, thereby enabling the resolution of pollution problems, and the validation of pollution models.

EnviroGene has developed a range of particles with differing stabilities, suitable for applications including:

- Fecal pollution source identification
- Sewer leakage studies
- Groundwater flow
- Potable water connectivity studies
- Generation, amendment and validation of environmental flow models.

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