

Veolia ES (Cleanaway) Ltd Preston WMC



This review of the Environmental Risk Assessment in relation to the protected habitats with prescribed distances of the Preston Waste Management Centre is undertaken to support the variation application for Nitrous Oxide Cylinder Treatment and containerised liquid separation by compaction.

Habitats:

The habitats that have been considered in this review include:

- Red Scar and Tun Brook Woods 530m east of the facility.
- Darwin River Section 4.14km south east of the facility.
- Beeston Brook Pasture 4.31km south east of the facility.

Summary of Proposals:

- Depackaging of liquids to separate residual contents from the containers (e.g. waste paint from HWRC) facilitating size reduction for transport and allowing flexibility in recovery routes for the solid and liquid fractions.
- Treatment of waste nitrous oxide cylinders through a plant which converts the gas into molecular nitrogen and oxygen which can be released harmlessly to the atmosphere.



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Key Considerations:

Nitrous cylinder treatment:

- Treatment of nitrous oxide cylinders releases only molecular nitrogen and oxygen to atmosphere which will have no impact to any off site ecological receptor.
- Treatment of nitrous cylinders has no potential release to water.

Container / liquid separation:

- Low potential for VOC release (localised only), where required this will be abated via a carbon / and or water scrubber.
- Small container waste e.g. paint cans, washing up liquid bottles means low potential for spillage. There is no surface water connection from the site to the ecological receptors.
- Fire Prevention Plan in place.
- ISO 140001 accredited management system in place.

